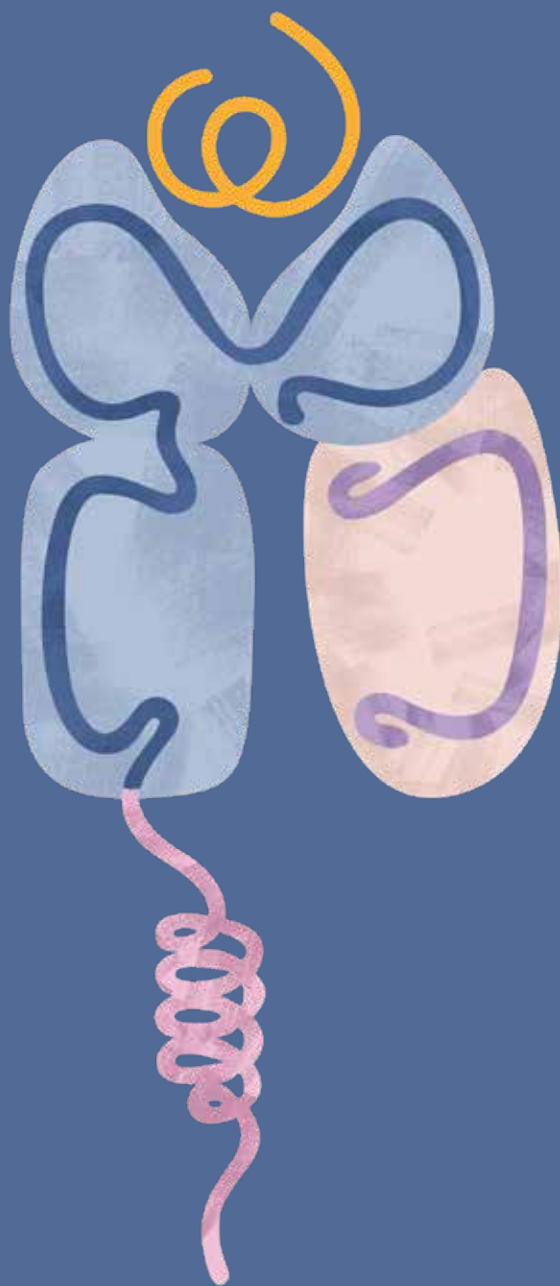


MHC & TCR Solutions

Catalog & Custom Services for MHC
Monomers, Tetramers, & Soluble TCRs



Major Histocompatibility Complex (MHC)

Major Histocompatibility Complex (MHC) molecules, referred to as Human Leukocyte Antigens (HLA) in humans, constitute a highly polymorphic family of cell surface glycoproteins.

These molecules present intracellularly processed peptide antigens by forming stable MHC–peptide complexes. Following assembly, the complexes are trafficked to the cell membrane, where they are recognized by antigen-specific T cell receptors (TCRs), thereby triggering downstream adaptive immune responses.

Given the central role of MHC molecules in antigen presentation and TCR recognition, they have become indispensable tools for TCR-based therapeutic research. To support this growing demand, KACTUS has developed a comprehensive portfolio of high-quality recombinant MHC products, including MHC monomers, tetramers, peptide-ready MHCs, as well as custom production services for both MHCs and TCRs. Our offerings span a broad range of MHC alleles and clinically relevant targets such as NY-ESO-1, KRAS, and AFP, providing versatile solutions to advance drug discovery and immunotherapy development.

Product Application:

 Animal Immunization	 Antibody Screening	 Binding-Affinity Research
 TCR screening & validation	 FACS analysis	 ELISA, BLI and SP

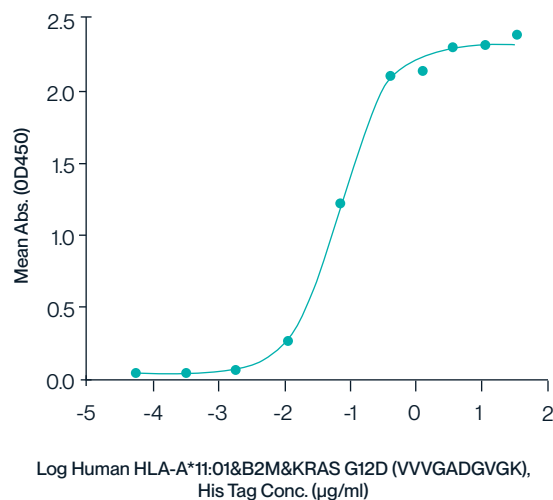
Our MHC Product Portfolio

MHC-Peptide Monomers Bacteria-refolded MHC monomer & Mammalian Single Chain Trimer (SCT)	Biotinylated MHC-Peptide Monomers MHC monomers with avi-based biotinylation at C-terminus		
MHC-Peptide Tetramers MHC Tetramers with enhanced binding affinity	Fluorescent MHC-Peptide Tetramers Fluorescent-labeled Tetramers for flow cytometry analysis		
 Off-the-Shelf Catalog Products	 Diverse allele-antigen combination	 Verified Bioactivity via ELISA, SPR, & FACS	 Biotinylation & Fluorescent- Labeling Available

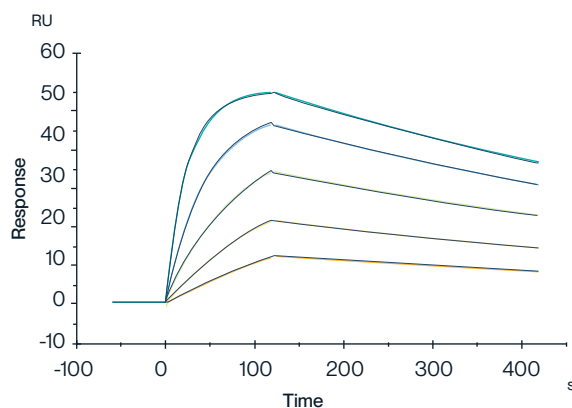
Robust Performance of MHC in Binding Assays with TCRs & TCR-Mimic Antibodies

Bacteria-refolded MHC

Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer Protein (MHC-HM454)



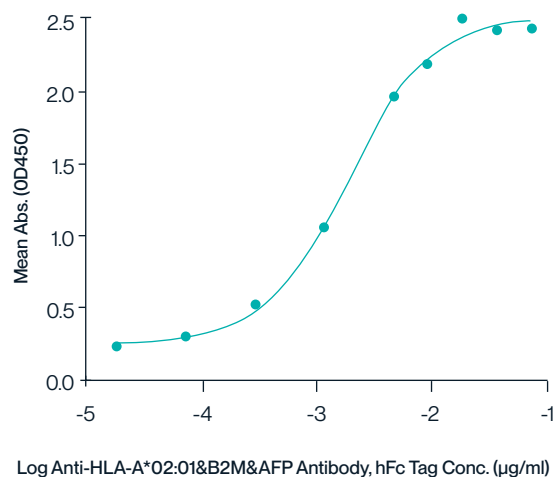
Immobilized HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) TCR at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer, His Tag with the EC50 of 66.0 ng/ml determined by ELISA



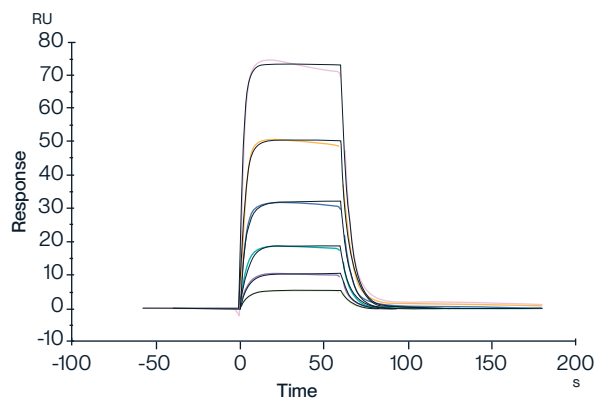
Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Monomer, His Tag captured on CM5 Chip via anti-his antibody can bind HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) TCR with an affinity constant of 6.93 nM as determined in SPR assay (Biacore T200).

Single Chain Trimer

Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer Protein (MHC-HM407)



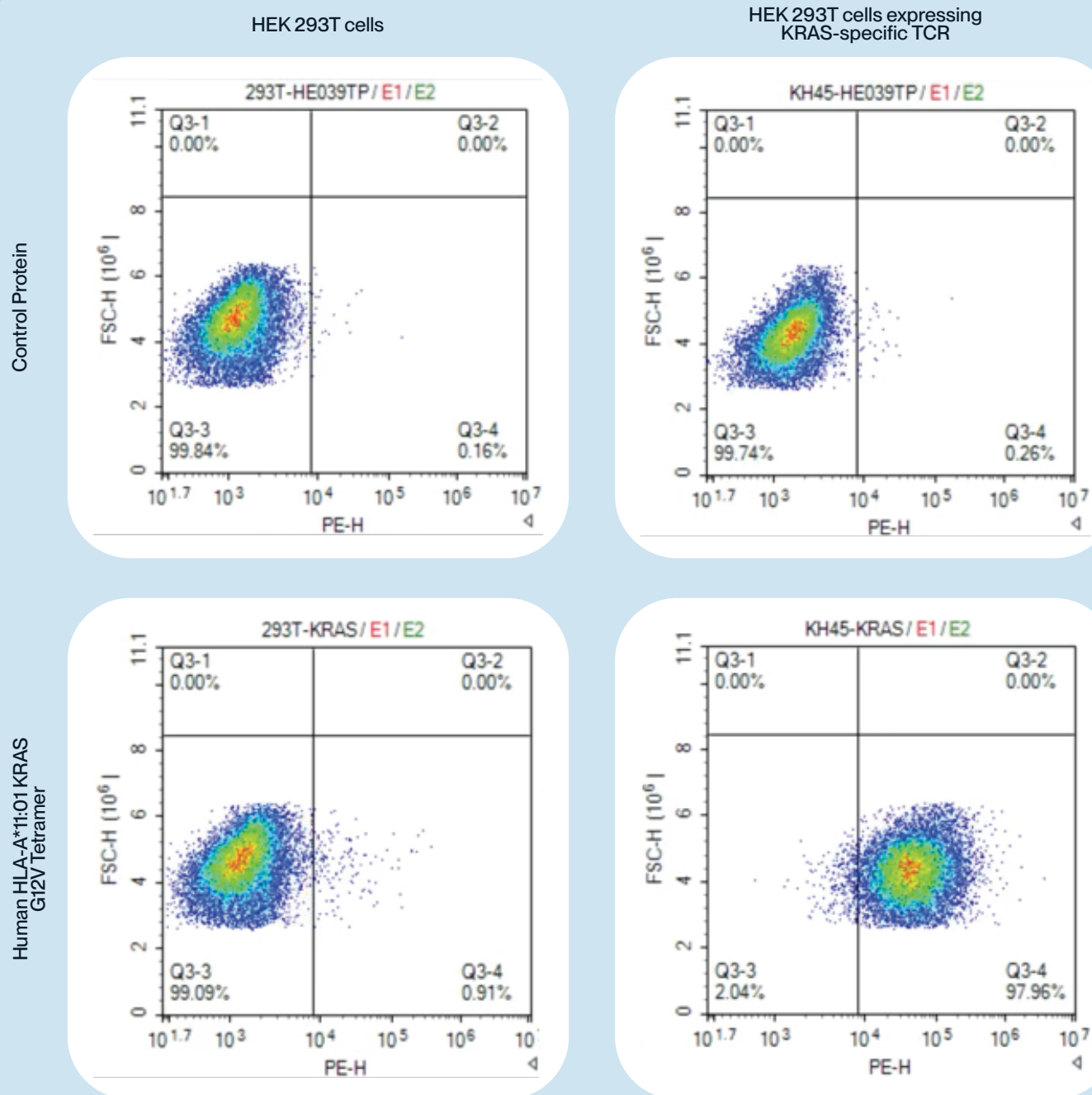
Immobilized Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&AFP (FMNKFIYEI) Antibody, hFc Tag with the EC50 of 1.9ng/ml determined by ELISA.



Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer, His Tag captured on CM5 Chip via Anti-His Antibody can bind HLA-A*02:01&B2M&AFP (FMNKFIYEI) TCR with an affinity constant of 0.923 µM as determined in SPR assay (Biacore T200).

FACS Analysis of Antigen-specific T cells using MHC Tetramers

MHC-peptide tetramers are an essential tool in immunology for detecting and studying antigen-specific T cells, offering insights into immune responses and TCR specificity. Our PE-labeled MHC-peptide tetramers are designed to provide researchers with an accurate and robust solutions for identifying antigen-specific T cells.



KRAS G12V-specific TCR-HEK293T cells were stained with PE-Labeled HLA-A*11:01 KRAS G12V Tetramer. Non-transfected HEK293T cells and PE-Labeled proteins were used as negative control.



Learn More

Ordering Information

E. Coli-Refolded MHC-Peptide Complexes

Cat. No.	Antigen	Type	Species	Tag
MHC-ME402	H2-Db&B2M&LCMV gp33-41 (KAVYNFATC)	Monomer	Mouse	C-His-Avi
MHC-HE465B	HLA-A*01:01&B2M&CT83 (NTDNNLAVY)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE461B	HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE017	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Monomer	Human	C-His-Avi
MHC-HE024B	HLA-A*02:01&B2M&ARF (AAPGAPAAV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE024	HLA-A*02:01&B2M&ARF (AAPGAPAAV)	Monomer	Human	C-His-Avi
MHC-HE452TC	HLA-A*02:01&B2M&CG1 (FLLPTGAEA)	Tetramer	Human	C-His-Avi
MHC-HE452B	HLA-A*02:01&B2M&CG1 (FLLPTGAEA)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE452	HLA-A*02:01&B2M&CG1 (FLLPTGAEA)	Monomer	Human	C-His-Avi
MHC-HE013T	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Tetramer	Human	C-His-Avi
MHC-HE013B	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE013	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Monomer	Human	C-His-Avi
MHC-HE025B	HLA-A*02:01&B2M&FOXI3 (AAPGAPPAA)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE025	HLA-A*02:01&B2M&FOXI3 (AAPGAPPAA)	Monomer	Human	C-His-Avi
MHC-HE041B	HLA-A*02:01&B2M&Foxp3 (TLIRWAILEA)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE041	HLA-A*02:01&B2M&Foxp3 (TLIRWAILEA)	Monomer	Human	C-His-Avi
MHC-HE460B	HLA-A*02:01&B2M&GP100 (YLEPGPVTA)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE023B	HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE023	HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL)	Monomer	Human	C-His-Avi
MHC-HE457	HLA-A*02:01&B2M&HBV (FLLTRILT)	Monomer	Human	C-His-Avi
MHC-HE457B	HLA-A*02:01&B2M&HBV (FLLTRILT)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE462B	HLA-A*02:01&B2M&HBV c18V (FLPSDFPFSV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE462	HLA-A*02:01&B2M&HBV c18V (FLPSDFPFSV)	Monomer	Human	C-His-Avi
MHC-HE019	HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM)	Monomer	Human	C-His-Avi
MHC-HE030B	HLA-A*02:01&B2M&IGKC (FIFPPSDEQL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE030	HLA-A*02:01&B2M&IGKC (FIFPPSDEQL)	Monomer	Human	C-His-Avi
MHC-HE038B	HLA-A*02:01&B2M&Influenza M1 ₅₈₋₆₆ (GILGFVFTL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE038	HLA-A*02:01&B2M&Influenza M1 ₅₈₋₆₆ (GILGFVFTL)	Monomer	Human	C-His-Avi
MHC-HE018	HLA-A*02:01&B2M&Intersectin-2 (YQNKLIYLV)	Monomer	Human	C-His-Avi
MHC-HE007B	HLA-A*02:01&B2M&KRAS G12V (KLVVVGAVGV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE008	HLA-A*02:01&B2M&KRAS WT (KLVVVGAGGV)	Monomer	Human	C-His-Avi
MHC-HE008B	HLA-A*02:01&B2M&KRAS WT (KLVVVGAGGV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE473B	HLA-A*02:01&B2M&MAGE-A1 (KVLEYVIKV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE473	HLA-A*02:01&B2M&MAGE-A1 (KVLEYVIKV)	Monomer	Human	C-His-Avi
MHC-HE047TP	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Tetramer	Human	C-His-Avi
MHC-HE047B	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE047	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Monomer	Human	C-His-Avi
MHC-HE034B	HLA-A*02:01&B2M&MART-1 (EAAGIGILTV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE034	HLA-A*02:01&B2M&MART-1 (EAAGIGILTV)	Monomer	Human	C-His-Avi
MHC-HE035B	HLA-A*02:01&B2M&MART-1 A27L (ELAGIGILTV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE035	HLA-A*02:01&B2M&MART-1 A27L (ELAGIGILTV)	Monomer	Human	C-His-Avi
MHC-HE029B	HLA-A*02:01&B2M&MTMR5 (KMQGAPPAAV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE029	HLA-A*02:01&B2M&MTMR5 (KMQGAPPAAV)	Monomer	Human	C-His-Avi
MHC-HE450TP	HLA-A*02:01&B2M&NPM1-CLAV (CLAVEEVSL)	Tetramer	Human	C-His-Avi
MHC-HE450B	HLA-A*02:01&B2M&NPM1-CLAV (CLAVEEVSL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE450	HLA-A*02:01&B2M&NPM1-CLAV (CLAVEEVSL)	Monomer	Human	C-His-Avi
MHC-HE446B	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE446TP	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Tetramer	Human	C-His-Avi
MHC-HE446T	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Tetramer	Human	C-His-Avi
MHC-HE446	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Monomer	Human	C-His-Avi
MHC-HE011TC	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	Tetramer	Human	C-His-Avi
MHC-HE011B	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE011	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	Monomer	Human	C-His-Avi
MHC-HE012B	HLA-A*02:01&B2M&P53 WT (HMTEVVRRC)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE012	HLA-A*02:01&B2M&P53 WT (HMTEVVRRC)	Monomer	Human	C-His-Avi
MHC-HE027B	HLA-A*02:01&B2M&PLK1 (AAPGAPAAA)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE027	HLA-A*02:01&B2M&PLK1 (AAPGAPAAA)	Monomer	Human	C-His-Avi
MHC-HE045TP	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Tetramer	Human	C-His-Avi
MHC-HE045B	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE045	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Monomer	Human	C-His-Avi
MHC-HE009B	HLA-A*02:01&B2M&RAB7B (KLIIVGAIGV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE451B	HLA-A*02:01&B2M&TERT (ILAKFLHWL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE010TP	HLA-A*02:01&B2M&WT-1 (RMFPNAPYL)	Tetramer	Human	C-His-Avi
MHC-HE010B	HLA-A*02:01&B2M&WT-1 (RMFPNAPYL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE010	HLA-A*02:01&B2M&WT-1 (RMFPNAPYL)	Monomer	Human	C-His-Avi
MHC-HE032B	HLA-A*03:01&B2M&IGA2 (FTWTPSSGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE032	HLA-A*03:01&B2M&IGA2 (FTWTPSSGK)	Monomer	Human	C-His-Avi

Cat. No.	Antigen	Type	Species	Tag
MHC-HE470B	HLA-A*03:01&B2M&Influenza NP (ILRGSAVHK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE470	HLA-A*03:01&B2M&Influenza NP (ILRGSAVHK)	Monomer	Human	C-His-Avi
MHC-HE014B	HLA-A*03:01&B2M&KRAS G12D (VVVGADGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE014	HLA-A*03:01&B2M&KRAS G12D (VVVGADGVGK)	Monomer	Human	C-His-Avi
MHC-HE042B	HLA-A*03:01&B2M&KRAS G12V (VVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE042	HLA-A*03:01&B2M&KRAS G12V (VVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HE454	HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HE454B	HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE043B	HLA-A*03:01&B2M&KRAS WT (VVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE043	HLA-A*03:01&B2M&KRAS WT (VVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HE015B	HLA-A*03:01&B2M&KRAS WT (VVVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE015	HLA-A*03:01&B2M&KRAS WT (VVVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HE039TP	HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK)	Tetramer	Human	C-His-Avi
MHC-HE039B	HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE039	HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK)	Monomer	Human	C-His-Avi
MHC-HE451	HLA-A*11:01&B2M&EGFR WT (KITDFGLAK)	Monomer	Human	C-His-Avi
MHC-HE456B	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE456	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Monomer	Human	C-His-Avi
MHC-HM455B	HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM455	HLA-A*11:01&B2M&KRAS G12D (VVGADGVGK)	Monomer	Human	C-His-Avi
MHC-HM454B	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM454	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Monomer	Human	C-His-Avi
MHC-HE006TF	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HE006TP	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HE006B	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE006	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HE005TA	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HE005TP	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HE005B	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE005	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HE002	HLA-A*11:01&B2M&KRAS WT (VVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HE002B	HLA-A*11:01&B2M&KRAS WT (VVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE001TP	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Tetramer	Human	C-His-Avi
MHC-HE001B	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE001	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HE004B	HLA-A*11:01&B2M&RAB7B (IVGAIGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE004	HLA-A*11:01&B2M&RAB7B (IVGAIGVGK)	Monomer	Human	C-His-Avi
MHC-HE003B	HLA-A*11:01&B2M&RASL11B (AVVGASGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE003	HLA-A*11:01&B2M&RASL11B (AVVGASGVGK)	Monomer	Human	C-His-Avi
MHC-HE459B	HLA-A*25:01&B2M&NUTM1 (DVYENFRQW)	Biotinylated Monomer	Human	C-His-Avi
MHC-HE459	HLA-A*25:01&B2M&NUTM1 (DVYENFRQW)	Monomer	Human	C-His-Avi
MHC-HE459TC	HLA-A*25:01&B2M&NUTM1 (DVYENFRQW)	Tetramer	Human	C-His-Avi

Mammalian-Expressed Single Chain Trimer MHC-Peptide Complexes

Cat. No.	Antigen	Type	Species	Tag
MHC-HM413	Chimeric HLA-A*02:01 (ma3) &B2M&LMP2 (CLGGLTMTV)	Monomer	Human&Mouse	C-His-Avi
MHC-HM413T	Chimeric HLA-A*02:01 (ma3) &B2M&LMP2 (CLGGLTMTV)	Tetramer	Human&Mouse	C-His-Avi
MHC-HM414T	Chimeric HLA-A*02:01 (ma3) &B2M&WT-1 (RMFPNAPYL)	Tetramer	Human&Mouse	C-His-Avi
MHC-HM414	Chimeric HLA-A*02:01 (ma3) &B2M&WT-1 (RMFPNAPYL)	Monomer	Human&Mouse	C-His-Avi
MHC-MM453B-UL	H-2K(b)&B2M&OVA (SIINFEKL)	Biotinylated Monomer	Mouse	C-His-Avi
MHC-MM453-UL	H-2K(b)&B2M&OVA (SIINFEKL)	Monomer	Mouse	C-His-Avi
MHC-MM453TP	H-2K(b)&B2M&OVA (SIINFEKL)	PE-Labeled Tetramer	Mouse	C-His-Avi
MHC-MM453B	H-2K(b)&B2M&OVA (SIINFEKL)	Biotinylated Monomer	Mouse	C-His-Avi
MHC-MM453	H-2K(b)&B2M&OVA (SIINFEKL)	Monomer	Mouse	C-His-Avi
MHC-HM426B	HLA-A*01:01&B2M&CT83 (NTDNNLAVY)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM426T	HLA-A*01:01&B2M&CT83 (NTDNNLAVY)	Tetramer	Human	C-His-Avi
MHC-HM426	HLA-A*01:01&B2M&CT83 (NTDNNLAVY)	Monomer	Human	C-His-Avi
MHC-HM428	HLA-A*01:01&B2M&DSG3 (YTDNWLAVY)	Monomer	Human	C-His-Avi
MHC-HM427B	HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM427T	HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY)	Tetramer	Human	C-His-Avi
MHC-HM427	HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY)	Monomer	Human	C-His-Avi
MHC-HM150	HLA-A*02:01 (ma3) &mB2M&GP100 (YLEPGPVTA)	Monomer	Human&Mouse	C-His
MHC-HM103	HLA-A*02:01 (ma3) &mB2M&MAGE-A1 (KVLEYVIKV)	Monomer	Human&Mouse	C-His
MHC-HM104	HLA-A*02:01 (ma3) &mB2M&MAGE-A2 (KMVELVHFL)	Monomer	Human&Mouse	C-His
MHC-HM105	HLA-A*02:01 (ma3) &mB2M&MAGE-A3 (KVAELVHFL)	Monomer	Human&Mouse	C-His
MHC-HM106	HLA-A*02:01 (ma3) &mB2M&MAGE-A4 (KVLHVVRV)	Monomer	Human&Mouse	C-His

Cat. No.	Antigen	Type	Species	Tag
MHC-HM151	HLA-A*02:01 (ma3) &mB2M&NY-ESO-1 (SLLMWITQC)	Monomer	Human&Mouse	C-His
MHC-HM41C	HLA-A*02:01 (ma3) &mB2M&P53 R175H (HMEVVRHC)	Monomer	Human&Mouse	C-His-Avi
MHC-HM107	HLA-A*02:01 (ma3) &mB2M&TERT (ILAKFLHWL)	Monomer	Human	C-His
MHC-HM467	HLA-A*02:01 (ma3) &mB2M&WT-1 (RMFPNAPYL)	Monomer	Human&Mouse	C-His
MHC-HM407T-UL	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Tetramer	Human	C-His-Avi
MHC-HM407TP	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM407B	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM407	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Monomer	Human	C-His-Avi
MHC-HM407T	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Tetramer	Human	C-His-Avi
MHC-HM408B	HLA-A*02:01&B2M&AFP (PLFQVPEPV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM408T	HLA-A*02:01&B2M&AFP (PLFQVPEPV)	Tetramer	Human	C-His-Avi
MHC-HM408	HLA-A*02:01&B2M&AFP (PLFQVPEPV)	Monomer	Human	C-His-Avi
MHC-HM458B-UL	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM458TP	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM458T	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Tetramer	Human	C-His-Avi
MHC-HM458B	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM458	HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV)	Monomer	Human	C-His-Avi
MHC-HM497B	HLA-A*02:01&B2M&EBV BMLF1 (GLCTLVAML)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM402T	HLA-A*02:01&B2M&GP100 (YLEPGPVTA)	Tetramer	Human	C-His-Avi
MHC-HM402	HLA-A*02:01&B2M&GP100 (YLEPGPVTA)	Monomer	Human	C-His-Avi
MHC-HM402B	HLA-A*02:01&B2M&GP100 (YLEPGPVTA)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM409B-UL	HLA-A*02:01&B2M&HBV (FLLTRILT)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM409B	HLA-A*02:01&B2M&HBV (FLLTRILT)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM409	HLA-A*02:01&B2M&HBV (FLLTRILT)	Monomer	Human	C-His-Avi
MHC-HM409T	HLA-A*02:01&B2M&HBV (FLLTRILT)	Tetramer	Human	C-His-Avi
MHC-HM465	HLA-A*02:01&B2M&HIV Gag (SLYNTVATL)	Monomer	Human	C-His-Avi
MHC-HM436T	HLA-A*02:01&B2M&HPV 16 E6 (KLPQLCTEL)	Tetramer	Human	C-His-Avi
MHC-HM436	HLA-A*02:01&B2M&HPV 16 E6 (KLPQLCTEL)	Monomer	Human	C-His-Avi
MHC-HM24MT-UL	HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET)	Tetramer	Human	C-His-Avi
MHC-HM24MT	HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET)	Tetramer	Human	C-His-Avi
MHC-HM424B	HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM424	HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET)	Monomer	Human	C-His-Avi
MHC-HM493B	HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM493TC	HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI)	Tetramer	Human	C-His-Avi
MHC-HM493T	HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI)	Tetramer	Human	C-His-Avi
MHC-HM493	HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI)	Monomer	Human	C-His-Avi
MHC-HM411T-UL	HLA-A*02:01&B2M&LMP2 (CLGGLTMV)	Tetramer	Human	C-His-Avi
MHC-HM411B	HLA-A*02:01&B2M&LMP2 (CLGGLTMV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM411	HLA-A*02:01&B2M&LMP2 (CLGGLTMV)	Monomer	Human	C-His-Avi
MHC-HM411T	HLA-A*02:01&B2M&LMP2 (CLGGLTMV)	Tetramer	Human	C-His-Avi
MHC-HM445TP	HLA-A*02:01&B2M&MAGE-A1 (KVLEYVIKV)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM445T	HLA-A*02:01&B2M&MAGE-A1 (KVLEYVIKV)	Tetramer	Human	C-His-Avi
MHC-HM445B	HLA-A*02:01&B2M&MAGE-A1 (KVLEYVIKV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM445	HLA-A*02:01&B2M&MAGE-A1 (KVLEYVIKV)	Monomer	Human	C-His-Avi
MHC-HM459TP	HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM459T	HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL)	Tetramer	Human	C-His-Avi
MHC-HM459B	HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM459	HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL)	Monomer	Human	C-His-Avi
MHC-HM460B	HLA-A*02:01&B2M&MAGE-A2 (KMVELVHFL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM461B	HLA-A*02:01&B2M&MAGE-A3 (KVAELVHFL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM401-UL	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Monomer	Human	C-His-Avi
MHC-HM401B-UL	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM401TP	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM401T	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Tetramer	Human	C-His-Avi
MHC-HM401B	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM401	HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV)	Monomer	Human	C-His-Avi
MHC-HM437B	HLA-A*02:01&B2M&MAGE-A4 (KVLEHVVRV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM437	HLA-A*02:01&B2M&MAGE-A4 (KVLEHVVRV)	Monomer	Human	C-His-Avi
MHC-HM435TP	HLA-A*02:01&B2M&MART-1 (ELAGIGILTV)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM435B	HLA-A*02:01&B2M&MART-1 (ELAGIGILTV)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM435T	HLA-A*02:01&B2M&MART-1 (ELAGIGILTV)	Tetramer	Human	C-His-Avi
MHC-HM435	HLA-A*02:01&B2M&MART-1 (ELAGIGILTV)	Monomer	Human	C-His-Avi
MHC-HM489B	HLA-A*02:01&B2M&NPM1-CLAV (CLAVEEVSL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM405-UL	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Monomer	Human	C-His-Avi
MHC-HM405T-UL	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Tetramer	Human	C-His-Avi
MHC-HM405TP	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM405B	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM405	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Monomer	Human	C-His-Avi
MHC-HM405T	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Tetramer	Human	C-His-Avi
MHC-HM40NT	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV)	Tetramer	Human	C-His-Avi
MHC-HM40N	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV)	Monomer	Human	C-His-Avi
MHC-HM40NB	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV)	Biotinylated Monomer	Human	C-His-Avi

Cat. No.	Antigen	Type	Species	Tag
MHC-HM415TP	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM415T	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	Tetramer	Human	C-His-Avi
MHC-HM415	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	Monomer	Human	C-His-Avi
MHC-HM415B	HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM416TP	HLA-A*02:01&B2M&P53 WT (HMTEVVRRC)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM416T	HLA-A*02:01&B2M&P53 WT (HMTEVVRRC)	Tetramer	Human	C-His-Avi
MHC-HM416	HLA-A*02:01&B2M&P53 WT (HMTEVVRRC)	Monomer	Human	C-His-Avi
MHC-HM416B	HLA-A*02:01&B2M&P53 WT (HMTEVVRRC)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM447T	HLA-A*02:01&B2M&PRAME (ALYVDSLFFL)	Tetramer	Human	C-His-Avi
MHC-HM447B	HLA-A*02:01&B2M&PRAME (ALYVDSLFFL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM447	HLA-A*02:01&B2M&PRAME (ALYVDSLFFL)	Monomer	Human	C-His-Avi
MHC-HM443B-UL	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM443TP	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM443B	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM443T	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Tetramer	Human	C-His-Avi
MHC-HM443	HLA-A*02:01&B2M&PRAME (SLLQHLIGL)	Monomer	Human	C-His-Avi
MHC-HM412B	HLA-A*02:01&B2M&Survivin (LMLGEFLKL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM412T	HLA-A*02:01&B2M&Survivin (LMLGEFLKL)	Tetramer	Human	C-His-Avi
MHC-HM412	HLA-A*02:01&B2M&Survivin (LMLGEFLKL)	Monomer	Human	C-His-Avi
MHC-HM4A1T	HLA-A*02:01&B2M&Survivin (LTLGEFLKL)	Tetramer	Human	C-His-Avi
MHC-HM4A1B	HLA-A*02:01&B2M&Survivin (LTLGEFLKL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM4A1	HLA-A*02:01&B2M&Survivin (LTLGEFLKL)	Monomer	Human	C-His-Avi
MHC-HM486B	HLA-A*02:01&B2M&TdT (ALYDKTKRI)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM486	HLA-A*02:01&B2M&TdT (ALYDKTKRI)	Monomer	Human	C-His-Avi
MHC-HM487B	HLA-A*02:01&B2M&TdT (ALYDKTKRIFL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM487	HLA-A*02:01&B2M&TdT (ALYDKTKRIFL)	Monomer	Human	C-His-Avi
MHC-HM473B	HLA-A*02:01&B2M&TERT (ILAKFLHWL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM473-UL	HLA-A*02:01&B2M&TERT (ILAKFLHWL)	Monomer	Human	C-His-Avi
MHC-HM473	HLA-A*02:01&B2M&TERT (ILAKFLHWL)	Monomer	Human	C-His-Avi
MHC-HM431B	HLA-A*02:01&B2M&WT-1 (RMFPNAPYL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM431	HLA-A*02:01&B2M&WT-1 (RMFPNAPYL)	Monomer	Human	C-His-Avi
MHC-HM431T	HLA-A*02:01&B2M&WT-1 (RMFPNAPYL)	Tetramer	Human	C-His-Avi
MHC-HM432T-UL	HLA-A*02:03&B2M&AFP (FMNKFIYEI)	Tetramer	Human	C-His-Avi
MHC-HM432TP	HLA-A*02:03&B2M&AFP (FMNKFIYEI)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM432T	HLA-A*02:03&B2M&AFP (FMNKFIYEI)	Tetramer	Human	C-His-Avi
MHC-HM432B	HLA-A*02:03&B2M&AFP (FMNKFIYEI)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM432	HLA-A*02:03&B2M&AFP (FMNKFIYEI)	Monomer	Human	C-His-Avi
MHC-HM463T	HLA-A*03:01&B2M&gp100 (ALLAVGATK)	Tetramer	Human	C-His-Avi
MHC-HM463B	HLA-A*03:01&B2M&gp100 (ALLAVGATK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM463	HLA-A*03:01&B2M&gp100 (ALLAVGATK)	Monomer	Human	C-His-Avi
MHC-HM468TP	HLA-A*03:01&B2M&KRAS G12D (VVVGADGVGK)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM468TA	HLA-A*03:01&B2M&KRAS G12D (VVVGADGVGK)	Tetramer	Human	C-His-Avi
MHC-HM456B	HLA-A*03:01&B2M&KRAS G12V (VVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM456TP	HLA-A*03:01&B2M&KRAS G12V (VVGAVGVGK)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM456	HLA-A*03:01&B2M&KRAS G12V (VVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HM423T	HLA-A*03:01&B2M&KRAS WT (VVVGAGGVGK)	Tetramer	Human	C-His-Avi
MHC-HM423B	HLA-A*03:01&B2M&KRAS WT (VVVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM423	HLA-A*03:01&B2M&KRAS WT (VVVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HM4A2	HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK)	Monomer	Human	C-His-Avi
MHC-HM479T	HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK)	Tetramer	Human	C-His-Avi
MHC-HM479B	HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM180	HLA-A*11:01&B2M&EGFR WT (KITDFGLAK)	Monomer	Human	C-His
MHC-HM480B	HLA-A*11:01&B2M&EGFR WT (KITDFGLAK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM464T	HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK)	Tetramer	Human	C-His-Avi
MHC-HM464B	HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM464	HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK)	Monomer	Human	C-His-Avi
MHC-HM441T	HLA-A*11:01&B2M&KRAS G12A (VVVGAAGVGK)	Tetramer	Human	C-His-Avi
MHC-HM441B	HLA-A*11:01&B2M&KRAS G12A (VVVGAAGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM441	HLA-A*11:01&B2M&KRAS G12A (VVVGAAGVGK)	Monomer	Human	C-His-Avi
MHC-HM439T-UL	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Tetramer	Human	C-His-Avi
MHC-HM139	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Monomer	Human	C-His
MHC-HM439T	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Tetramer	Human	C-His-Avi
MHC-HM439B	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM439	HLA-A*11:01&B2M&KRAS G12C (VVVGACGVGK)	Monomer	Human	C-His-Avi
MHC-HM420T-UL	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Tetramer	Human	C-His-Avi
MHC-HM120	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Monomer	Human	C-His
MHC-HM420TP	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM420T	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Tetramer	Human	C-His-Avi
MHC-HM420	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Monomer	Human	C-His-Avi
MHC-HM420B	HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM440T	HLA-A*11:01&B2M&KRAS G12R (VVVGARGVGK)	Tetramer	Human	C-His-Avi
MHC-HM440B	HLA-A*11:01&B2M&KRAS G12R (VVVGARGVGK)	Biotinylated Monomer	Human	C-His-Avi

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MHC-HM440	HLA-A*11:01&B2M&KRAS G12R (VVVGARGVGK)	Monomer	Human	C-His-Avi
MHC-HM442T	HLA-A*11:01&B2M&KRAS G12S (VVVGASGVGK)	Tetramer	Human	C-His-Avi
MHC-HM442B	HLA-A*11:01&B2M&KRAS G12S (VVVGASGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM442	HLA-A*11:01&B2M&KRAS G12S (VVVGASGVGK)	Monomer	Human	C-His-Avi
MHC-HM422T	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HM422	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HM422B	HLA-A*11:01&B2M&KRAS G12V (VVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM421B-UL	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM421T-UL	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HM421T	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Tetramer	Human	C-His-Avi
MHC-HM421	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Monomer	Human	C-His-Avi
MHC-HM421B	HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM429-UL	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HM429B-UL	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM429TP	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM429B	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM429	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Monomer	Human	C-His-Avi
MHC-HM429T	HLA-A*11:01&B2M&KRAS WT (VVVGAGGVGK)	Tetramer	Human	C-His-Avi
MHC-HM410T	HLA-A*11:01&B2M&LMP2 (SSCSCSPLTK)	Tetramer	Human	C-His-Avi
MHC-HM410B	HLA-A*11:01&B2M&LMP2 (SSCSCSPLTK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM410	HLA-A*11:01&B2M&LMP2 (SSCSCSPLTK)	Monomer	Human	C-His-Avi
MHC-HM472AF6	HLA-A*11:01&B2M&MATN2 (KTLTTSVFQK)	AF674-Labeled Monomer	Human	C-His-Avi
MHC-HM472B	HLA-A*11:01&B2M&MATN2 (KTLTTSVFQK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM472	HLA-A*11:01&B2M&MATN2 (KTLTTSVFQK)	Monomer	Human	C-His-Avi
MHC-HM462B	HLA-A*11:01&B2M&RASL11B (AVVGASGVGK)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM462	HLA-A*11:01&B2M&RASL11B (AVVGASGVGK)	Monomer	Human	C-His-Avi
MHC-HM433B	HLA-A*24:02&B2M&GP100 Intron 4 (VYFFLPDHL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM433	HLA-A*24:02&B2M&GP100 Intron 4 (VYFFLPDHL)	Monomer	Human	C-His-Avi
MHC-HM434T	HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI)	Tetramer	Human	C-His-Avi
MHC-HM434B	HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM434	HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI)	Monomer	Human	C-His-Avi
MHC-HM430-UL	HLA-A*24:02&B2M&Survivin 2B (AYACNTSTL)	Monomer	Human	C-His-Avi
MHC-HM430B	HLA-A*24:02&B2M&Survivin 2B (AYACNTSTL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM430T	HLA-A*24:02&B2M&Survivin 2B (AYACNTSTL)	Tetramer	Human	C-His-Avi
MHC-HM430	HLA-A*24:02&B2M&Survivin 2B (AYACNTSTL)	Monomer	Human	C-His-Avi
MHC-HM485B	HLA-A*31:01&B2M&EGFR L858R (HVKITDFGR)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM471B	HLA-A*33:03&B2M&EGFR L858R (HVKITDFGR)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM469B	HLA-B*07:02&B2M&KRAS G12D (GADGVGKSAL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM469TP	HLA-B*07:02&B2M&KRAS G12D (GADGVGKSAL)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM469TA	HLA-B*07:02&B2M&KRAS G12D (GADGVGKSAL)	Tetramer	Human	C-His-Avi
MHC-HM448	HLA-B*15:01&B2M&SARS-CoV-2 epitope (NQKLIANQF)	Monomer	Human	C-His-Avi
MHC-HM448B	HLA-B*15:01&B2M&SARS-CoV-2 epitope (NQKLIANQF)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM438B	HLA-C*03:04&B2M&KRAS G12D (GADGVGKSAL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM438	HLA-C*03:04&B2M&KRAS G12D (GADGVGKSAL)	Monomer	Human	C-His-Avi
MHC-HM438T	HLA-C*03:04&B2M&KRAS G12D (GADGVGKSAL)	Tetramer	Human	C-His-Avi
MHC-HM438TP	HLA-C*03:04&B2M&KRAS G12D (GADGVGKSAL)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM491TP	HLA-C*05:01&B2M&KRAS G12D (GADGVGKSAL)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM491TC	HLA-C*05:01&B2M&KRAS G12D (GADGVGKSAL)	Tetramer	Human	C-His-Avi
MHC-HM492B	HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM492TP	HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL)	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM492TC	HLA-C*08:01&B2M&KRAS G12D (GADGVGKSAL)	Tetramer	Human	C-His-Avi
MHC-HM466B	HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL)	Biotinylated Monomer	Human	C-His-Avi
MHC-HM466	HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL)	Monomer	Human	C-His-Avi
MHC-HM40C	HLA-E*01:03&B2M&Peptide (VMAKTLVL)	Monomer	Human	C-His-Avi
MHC-HM406	HLA-E*01:03&B2M&Peptide (VMAKTLVL)	Monomer	Human	C-His-Avi
MHC-HM406TB	HLA-E*01:03&B2M&Peptide (VMAKTLVL)	Biotinylated Tetramer	Human	C-His-Avi
MHC-HM406T	HLA-E*01:03&B2M&Peptide (VMAKTLVL)	Tetramer	Human	C-His-Avi
MHC-HM406B	HLA-E*01:03&B2M&Peptide (VMAKTLVL)	Biotinylated Monomer	Human	C-His-Avi
HLG-CM41CTP	HLA-G&B2M&Peptide (RIIPRHLQL)	PE-Labeled Tetramer	Cynomolgus	C-His-Avi
HLG-RM41CB	HLA-G&B2M&Peptide (RIIPRHLQL)	Biotinylated Monomer	Rhesus macaque	C-His-Avi
HLG-CM41CB	HLA-G&B2M&Peptide (RIIPRHLQL)	Biotinylated Monomer	Cynomolgus	C-His-Avi
HLG-CM41C	HLA-G&B2M&Peptide (RIIPRHLQL)	Monomer	Cynomolgus	C-His-Avi
HLG-RM41C	HLA-G&B2M&Peptide (RIIPRHLQL)	Monomer	Rhesus macaque	C-His-Avi
HLG-HM41CTP	HLA-G&B2M&Peptide (RIIPRHLQL)	PE-Labeled Tetramer	Human	C-His-Avi
HLG-CM41CT	HLA-G&B2M&Peptide (RIIPRHLQL)	Tetramer	Cynomolgus	C-His-Avi
HLG-RM41CT	HLA-G&B2M&Peptide (RIIPRHLQL)	Tetramer	Rhesus macaque	C-His-Avi
HLG-HM41CT	HLA-G&B2M&Peptide (RIIPRHLQL)	Tetramer	Human	C-His-Avi
HLG-HM41CB	HLA-G&B2M&Peptide (RIIPRHLQL)	Biotinylated Monomer	Human	C-His-Avi
HLG-HM41C	HLA-G&B2M&Peptide (RIIPRHLQL)	Monomer	Human	C-His-Avi
MHC-MM411TP	I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR)	PE-Labeled Tetramer	Mouse	C-His-Avi
MHC-MM411B	I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR)	Biotinylated Monomer	Mouse	C-His-Avi
MHC-MM452	Q1-1b&B2M&Qdm (AMAPRTLLL)	Monomer	Mouse	C-His-Avi
MHC-MM452B	Qa-1b&B2M&Qdm (AMAPRTLLL)	Biotinylated Monomer	Mouse	C-His-Avi

Peptide-Ready MHCs

Load custom peptides onto an MHC monomer or tetramer in-house with our stabilized, peptide-free MHCs.

We have developed a portfolio of peptide-ready MHC (prMHC) proteins which are MHC monomers or tetramers stabilized without antigenic peptides. You can load your own peptides in-house to generate a custom MHC monomer or tetramer.

Fast & Simple Loading Protocol

Our prMHCs can be conveniently loaded in your lab using a simple 3-step protocol, taking just 5–10 minutes at room temperature—no UV treatment or peptide exchange required.



Dissolve
Dissolve the peptide to a concentration of 1mg/mL in DMSO or PBS



Mix
Mix peptide with MHC at a molar ratio of 5:1 to 10:1

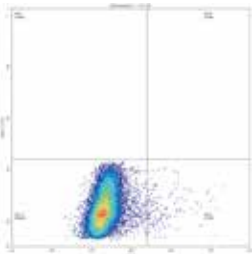
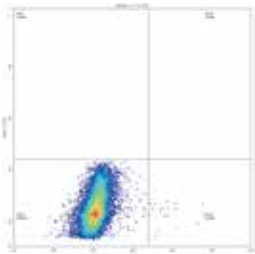


Incubate
Incubate 5-10 minutes at room temperature

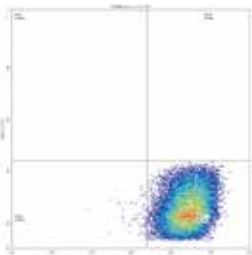
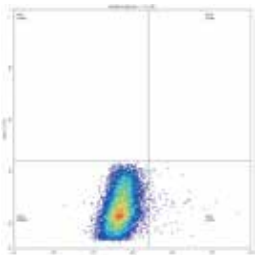
Human PE-labeled prHLA-A*02:01&B2M Tetramer (MHC-HM43RTP) + irrelevant peptide

Human PE-labeled prHLA-A*02:01&B2M Tetramer(MHC-HM43RTP) + PRAME(SLLQHLIGL) peptide

HEK239T



PRAME specific TCR-HEK293T



Robust Antigen-Specific T Cell Sorting

Our prMHC tetramers offer high specificity and sensitivity, enabling precise identification and sorting of T cells that recognize specific antigens.

FACS analysis of HEK293 cells with or without expressing PRAME specific TCR using PE-labeled pr HLA-A*02:01 tetramers loaded with irrelevant or PRAME(SLLQHLIGL) peptides.

Cat. No.	Antigen	Type	Species	Tag
MHC-MM50RB	Peptide Ready H-2K(b)&B2M	Biotinylated Monomer	Mouse	C-His-Avi
MHC-HM43R-UL	Peptide Ready HLA-A*02:01&B2M	Monomer	Human	C-His-Avi
MHC-HM43RB-UL	Peptide Ready HLA-A*02:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM43RTP	Peptide Ready HLA-A*02:01&B2M	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM43RB	Peptide Ready HLA-A*02:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM43R	Peptide Ready HLA-A*02:01&B2M	Monomer	Human	C-His-Avi
MHC-HM63RB	Peptide Ready HLA-A*02:06&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM44R-UL	Peptide Ready HLA-A*03:01&B2M	Monomer	Human	C-His-Avi
MHC-HM44RB-UL	Peptide Ready HLA-A*03:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM44RTP	Peptide Ready HLA-A*03:01&B2M	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM44RB	Peptide Ready HLA-A*03:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM44R	Peptide Ready HLA-A*03:01&B2M	Monomer	Human	C-His-Avi
MHC-HM41R-UL	Peptide Ready HLA-A*11:01&B2M	Monomer	Human	C-His-Avi
MHC-HM41RTP	Peptide Ready HLA-A*11:01&B2M	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM41RB	Peptide Ready HLA-A*11:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM41R	Peptide Ready HLA-A*11:01&B2M	Monomer	Human	C-His-Avi

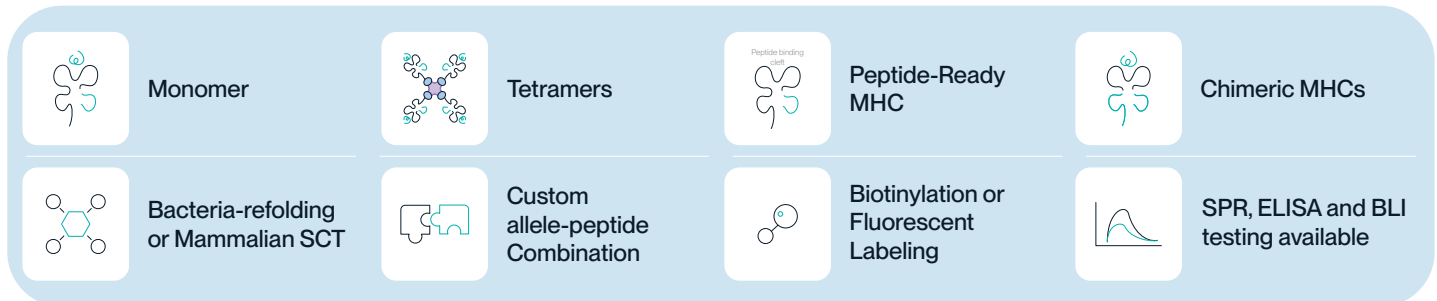
Cat. No.	Antigen	Type	Species	Tag
MHC-HM46R-UL	Peptide Ready HLA-A*24:02&B2M	Monomer	Human	C-His-Avi
MHC-HM46RB-UL	Peptide Ready HLA-A*24:02&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM46RB	Peptide Ready HLA-A*24:02&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM46R	Peptide Ready HLA-A*24:02&B2M	Monomer	Human	C-His-Avi
MHC-HM49RB	Peptide Ready HLA-A*26:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM54R	Peptide Ready HLA-A*31:01&B2M	Monomer	Human	C-His-Avi
MHC-HM54RB	Peptide Ready HLA-A*31:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM53RB-UL	Peptide Ready HLA-A*33:03&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM53RB	Peptide Ready HLA-A*33:03&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM4R1B	Peptide Ready HLA-A*68:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM62RTP	Peptide Ready HLA-B*27:05&B2M	PE-Labeled Tetramer	Human	C-His-Avi
MHC-HM62RB	Peptide Ready HLA-B*27:05&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM48RB	Peptide Ready HLA-B*57:01&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM52RB	Peptide Ready HLA-C*03:04&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM59RB	Peptide Ready HLA-C*07:02&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM42R-UL	Peptide Ready HLA-E*01:03&B2M	Monomer	Human	C-His-Avi
MHC-HM42RB	Peptide Ready HLA-E*01:03&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM42R	Peptide Ready HLA-E*01:03&B2M	Monomer	Human	C-His-Avi
MHC-HM45R-UL	Peptide Ready HLA-G&B2M	Monomer	Human	C-His-Avi
MHC-HM45RB	Peptide Ready HLA-G&B2M	Biotinylated Monomer	Human	C-His-Avi
MHC-HM45R	Peptide Ready HLA-G&B2M	Monomer	Human	C-His-Avi

Custom MHC Expression service

At KACTUS, we specialize in providing high-quality and reliable custom MHC complexes to meet your research needs. Our team brings extensive expertise in manufacturing MHC tetramers and monomers tailored to your specific requirements with competitive price and lead time.

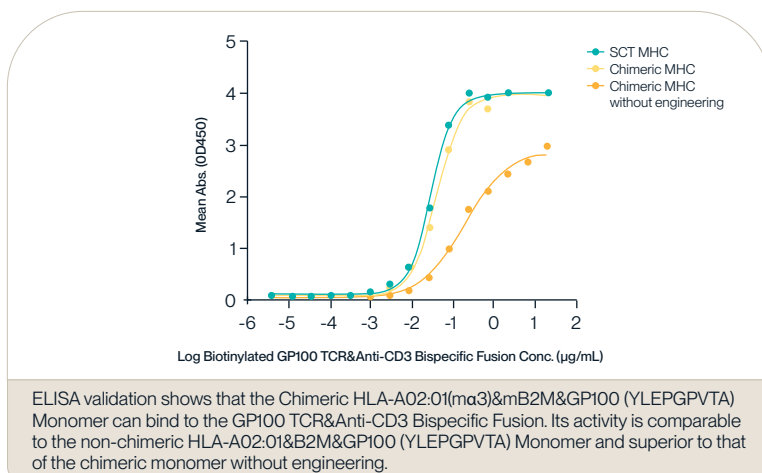
After receiving the inquiries, we will reach out to you to initiate the technical discussion and feasibility assessment. In addition, we also provide SPR analysis service for your customized MHC binding affinity testing. We welcome any inquiries on custom MHC production and analysis service, including uncommon alleles, specific expression settings, or custom sequences!

Customizable Features



Chimeric MHCs

Our chimeric MHCs are designed for obtaining more effective antibodies from immunization. The human MHC $\alpha 3$ and $\beta 2M$ are replaced with the corresponding domains from immunization host species, and rational engineering is introduced to maintain the correct structure. This approach leaves more immunogenicity to the antigenic peptide, boosting the probability of generating effective antibodies, and thereby greatly improving the efficiency of TCR mimic antibody discovery.



Learn More

Soluble TCR Expression Services

To complement our MHC expression expertise, KACTUS also provides custom production services of soluble TCRs and TCR fusion proteins.

Our expert team will provide one-stop solution from plasmid establishment to protein production, as well as binding affinity testing via ELISA or our SPR analysis services for customized TCRs.

Service Features



Production of various formats of soluble TCRs, including scFv-TCR, TCR-His, etc.



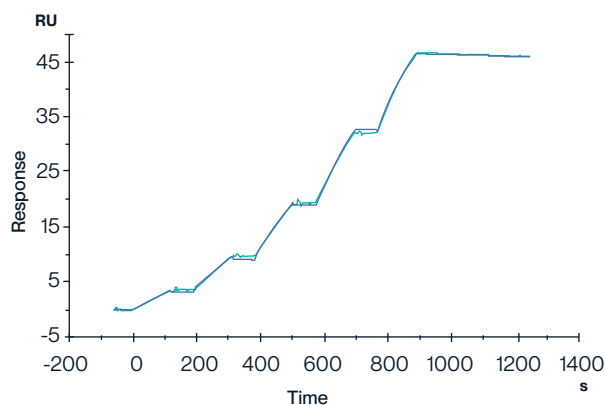
TCR engineering to optimize soluble TCR expression based on TCR modeling



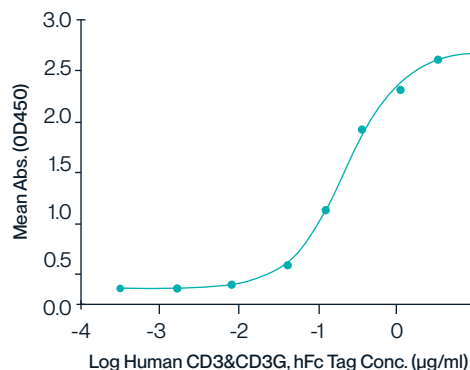
SPR or ELISA analysis of soluble TCR & MHC interactions

GP100 TCR & Anti-CD3 Bispecific Fusion

We have successfully expressed a GP100 TCR & Anti-CD3 Bispecific Fusion, which can not only bind to HLA-A*02:01&B2M&GP100 (YLEPGPVTA) complex, but also to CD3 heterodimers at the same time, demonstrating good bispecific binding activity.



GP100 TCR & Anti-CD3 Bispecific Fusion can bind to the HLA-A*02:01&B2M&GP100 (YLEPGPVTA) complex tetramer in SPR, with an affinity constant of 0.196 nM.



ELISA verification demonstrates that GP100 TCR & Anti-CD3 Bispecific Fusion can bind to Human CD3E&CD3G, with an EC50 value of 0.22 µg/ml.

Request Custom MHC and Soluble TCR

To request custom MHC expression and TCR expression services, contact support@kactusbio.us



Learn More