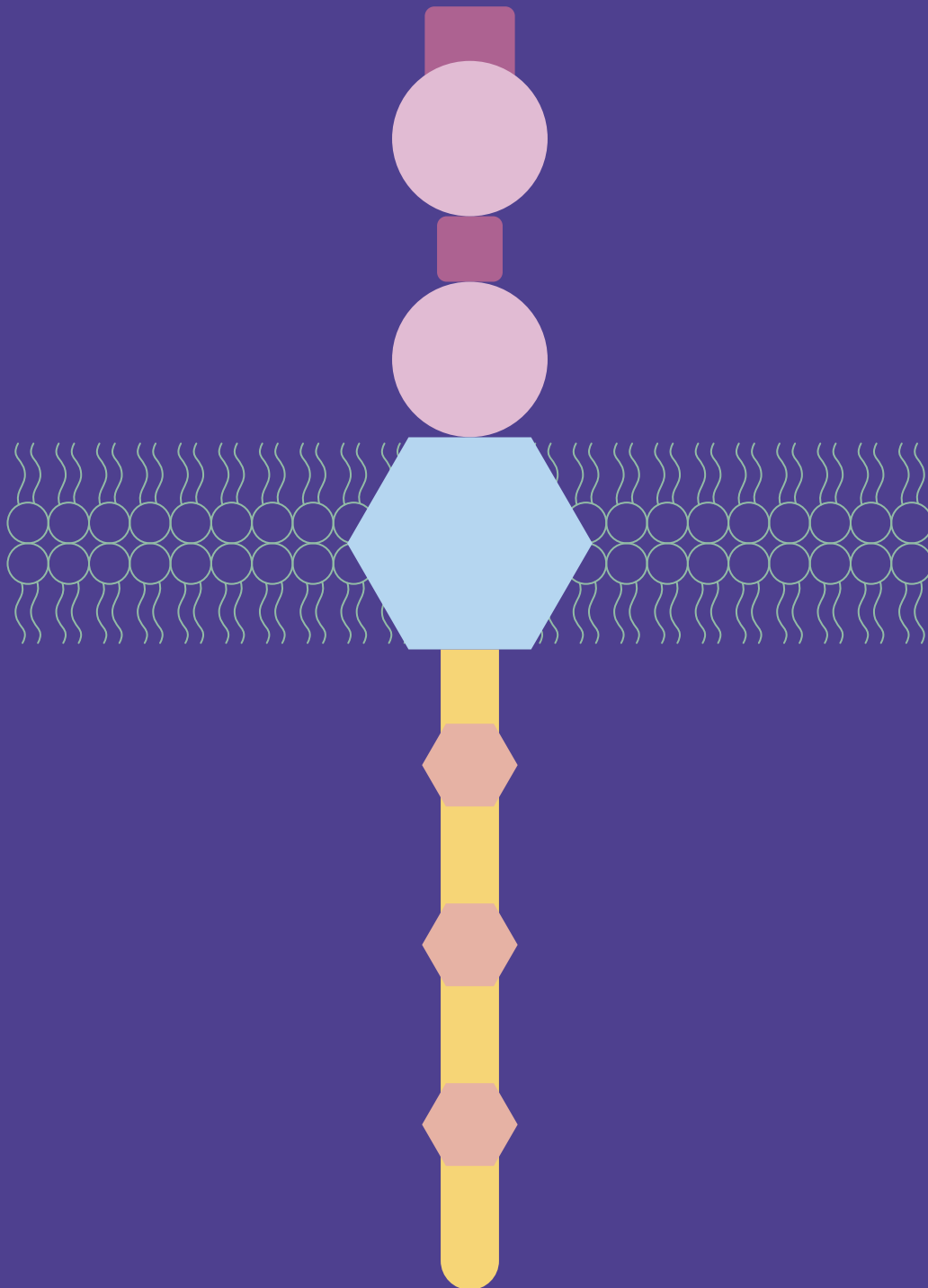


# CD19 Antigens

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# Recombinant CD19 Antigens

**CD19 is a key transmembrane glycoprotein essential for B cell activation and humoral immune responses, making it a critical target for treating B-cell malignancies such as chronic lymphocytic leukemia (CLL), acute lymphoblastic leukemia (ALL), and non-Hodgkin lymphomas.**

Its consistent expression on B cells and malignant B cells makes it an ideal target for diverse cancer therapies, including bispecific antibodies, antibody-drug conjugates (ADCs), Fc-engineered antibodies, and CAR-T cell therapy.

Our high-quality CD19 proteins are optimal for applications such as antibody screening, CAR-T cell therapy development, and affinity measurements. These products have been bioactivity-validated through ELISA, SPR, and flow cytometry, to ensure reliability and efficacy in your research. Moreover, our optimized expression protocols minimize aggregation, delivering a high yield of monomeric CD19 antigen.

## Product Features



### Various Species

Human, Cynomolgus,  
Rhesus Macaque, Mouse



### High Monomer Rate

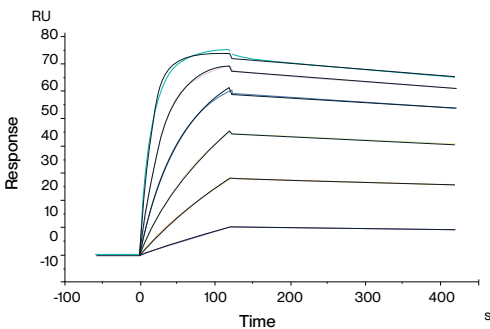
Expressed with small tag (His)  
with optimal monomer rate



### High Binding Affinity

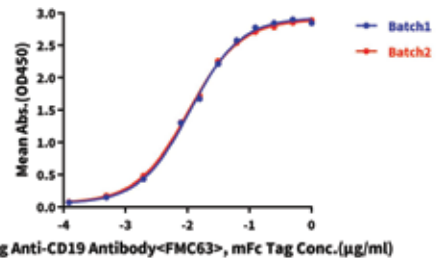
High binding affinity verified  
by SPR and ELISA

## Product Performance Validation



Anti-CD19 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Human CD19, His Tag with an affinity constant of 0.50 nM as determined in SPR assay (Biacore T200).

**Human CD19, His Tag ELISA**  
0.2µg Human CD19, His Tag Per Well



Dose-response curves of Human CD19 against Anti-CD19 Antibody FMC63 for two separate lots. Activity is consistent across batches.

| Cat. No.     | Product Name                                            | Sequence                         | Species                   | Tag          | Expression System |
|--------------|---------------------------------------------------------|----------------------------------|---------------------------|--------------|-------------------|
| CD1-HM119    | Human CD19 Protein                                      | Pro20-Lys291                     | Human                     | C-His        | HEK293            |
| CD1-HM119-UL | Human CD19 Protein, Ultra Low Endotoxin                 | Pro20-Lys291                     | Human                     | C-His        | HEK293            |
| CD1-HM09V    | Human CD19 VLP                                          | Met1-Arg556                      | Human                     | /            | HEK293            |
| CD1-HM129    | Human UltraPro Mutant CD19 Protein                      | Pro20-Pro278 with site mutations | Human                     | C-His        | HEK293            |
| CD1-HM129-UL | Human UltraPro Mutant CD19 Protein, Ultra Low Endotoxin | Pro20-Pro278 with site mutations | Human                     | C-His        | HEK293            |
| CD1-HMR102   | Biotinylated Human CD19 Protein                         | Glu21-Lys291                     | Human                     | C-His-Avi    | HEK293            |
| CD1-CM129    | Cynomolgus/Rhesus macaque CD19 Protein                  | Gln21-Lys292                     | Cynomolgus/Rhesus macaque | C-His        | HEK293            |
| CD1-CM119    | Cynomolgus/Rhesus macaque CD19 Protein                  | Gln21-Trp291                     | Cynomolgus/Rhesus macaque | N-His        | HEK293            |
| CD1-MM119    | Mouse CD19 Protein                                      | Arg19-Gly287                     | Mouse                     | C-His        | HEK293            |
| CR4-HM1N122  | Human CCR4 Nanodisc                                     | Met1-Leu360                      | Human                     | C-His        | HEK293            |
| CCR-HM107    | Human CCR7 Nanodisc                                     | Met1-Pro378                      | Human                     | C-His        | HEK293            |
| CR8-HM1N29   | Human CCR8 Nanodisc                                     | Met1-Leu355                      | Human                     | C-His        | HEK293            |
| CCR-HM208    | Human CCR8 Protein                                      | Met1-Lys35                       | Human                     | C-hFc (IgG1) | HEK293            |
| CCR-HM308    | Human CCR8 Protein                                      | Met1-Lys35                       | Human                     | C-mFc        | HEK293            |
| CCR-HM08V    | Human CCR8 VLP                                          | Met1-Leu355                      | Human                     | /            | HEK293            |
| CCR-HM08VB   | Biotinylated Human CCR8 VLP                             | Met1-Leu355                      | Human                     | /            | HEK293            |
| CCR-HM17NB   | Biotinylated Human CCR7 Nanodisc                        | Met1-Pro378                      | Human                     | C-His        | HEK293            |
| CCR-HM14NB   | Biotinylated Human CCR4 Nanodisc                        | Met1-Leu360                      | Human                     | C-His        | HEK293            |
| CCR-HM16NB   | Biotinylated Human CCR6 Nanodisc                        | Met1-Met374                      | Human                     | C-His        | HEK293            |
| CCR-CM308    | Cynomolgus CCR8 Protein                                 | Met1-Lys35                       | Cynomolgus                | C-mFc        | HEK293            |