

Recombinant human 4-1BB/CD137 Protein

Cat. No. BB4-HM141

Description

Source	Human 4-1BB is expressed from mammalian with a His tag at the C-terminal. It contains Leu24-Gln186.
Accession	Q07011
Molecular Weight	The protein has a predicted MW of 18.1 kDa. Due to glycosylation, the protein migrates to 35-40KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

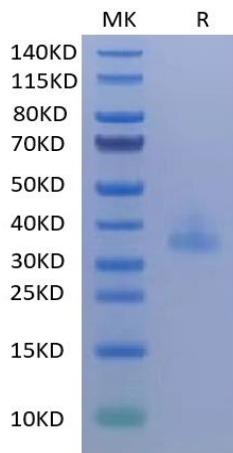
Formulation	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

Background

4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.

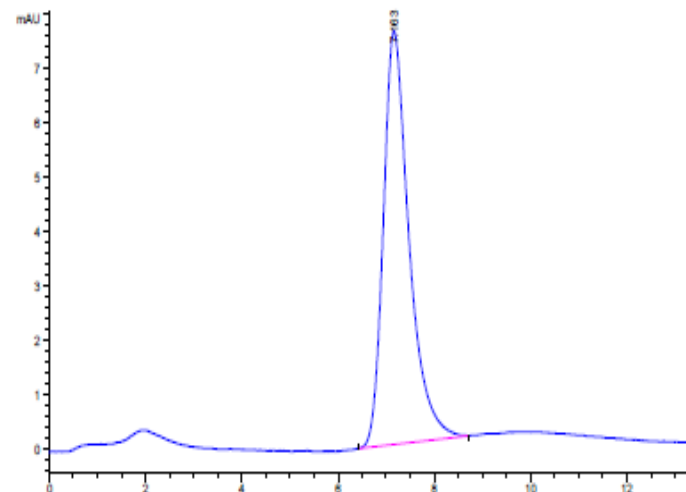
Assay Data

Tris-Bis PAGE



Recombinant 4-1BB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

HPLC data



The purity of 4-1BB (Cat. BB4-HM141) is greater than 95% as determined by SEC-HPLC

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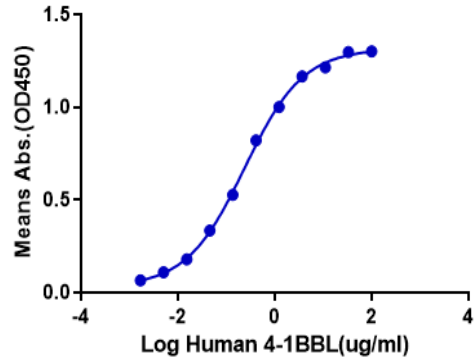
Assay Data

ELISA data

Immobilized Human 4-1BB,His Tag (Cat.BB4-HM141) at 0.5ug/ml(100ul/Well). Dose response curve for Human 4-1BBL,Fc Tag (Cat.BBL-HM241) with the EC50 of 0.24ug/ml determined by ELISA.

Human 4-1BB, His Tag ELISA

0.05ug Human 4-1BB, His Tag Per Well



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