

Recombinant Human TNFRSF9/4-1BB/CD137 Protein

Catalog No.: RP02016 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3604	Q07011

Tags

C-His

Synonyms

4-1BB; CD137; CDw137; ILA

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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.

Basic Information

Description

Recombinant Human CD7 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Leu24-Gln186) of human 4-1BB/CD137 (Accession #Q07011) fused with a 6xHis tag at the C-terminus.

Bio-Activity

1. Immobilized Human 4-1BB, His Tag at 1 μg/ml (100 μl/Well) on the plate. Dose response curve for Human 4-1BB Ligand Trimer, hFc Tag with the EC₅₀ of 5.7 ng/ml determined by ELISA.

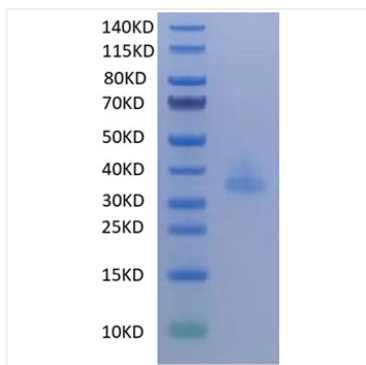
Storage

Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

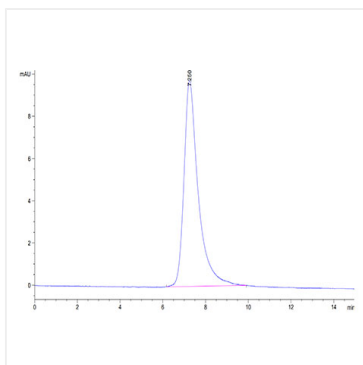
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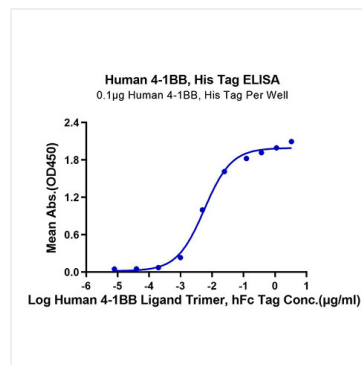
Validation Data



Recombinant Human TNFRSF9/4-1BB/CD137 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-40 kDa.



The purity of Human 4-1BB is greater than 95% as determined by SEC-HPLC.



Immobilized Human 4-1BB, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human 4-1BB Ligand Trimer, hFc Tag with the EC50 of 5.7ng/ml determined by ELISA.