

Biotinylated Recombinant Human CD200R1 Protein

Catalog No.: RP02593 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human		AAQ19772

Tags
C-His&Avi

Synonyms

CD200R; CRTR2; MOX2R; OX2R; CD200 R1; CD200 receptor 1; HCRTR2; MOX2 receptor

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

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Background

CD200Fc, a chimeric molecule including the extracellular domain of CD200 and a murine IgG2a Fc region, regulates immune responses following engagement of a cell surface receptor, CD200R, expressed on cells of the myeloid and T cell lineage. A recent report focused attention on a family of CD200Rs, but concluded that only one member used CD200 as its ligand.

Basic Information

Description

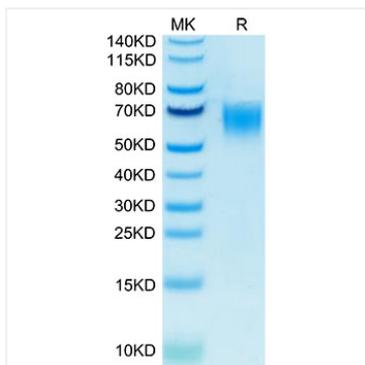
Recombinant Biotinylated Human CD200 R1/CRTR2 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala27-Leu266.

Bio-Activity

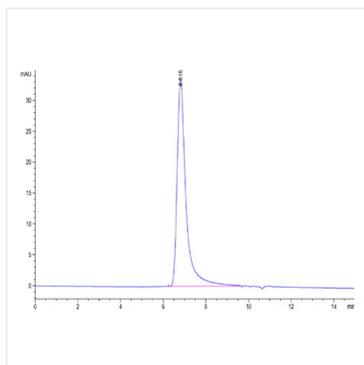
Storage

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.

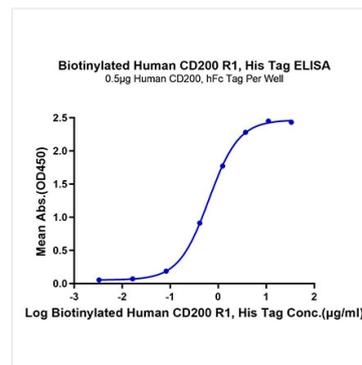
Validation Data



Biotinylated Human CD200 R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human CD200 R1 is greater than 95% as determined by SEC-HPLC.



Immobilized Human CD200, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD200 R1, His Tag with the EC₅₀ of 0.64µg/ml determined by ELISA.