

Biotinylated Recombinant Human CD200R1 Protein

Catalog No.: RP02593B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	131450	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% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
29.7 kDa	52-70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 free-thaw cycles.

Contact

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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

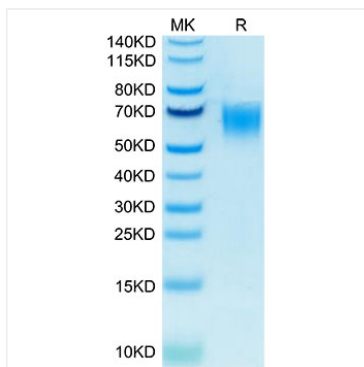
Biotinylated Recombinant Human CD200R1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Leu266) of Human CD200R1 fused with a His and Avi tag at the C-terminal.

Bio-Activity

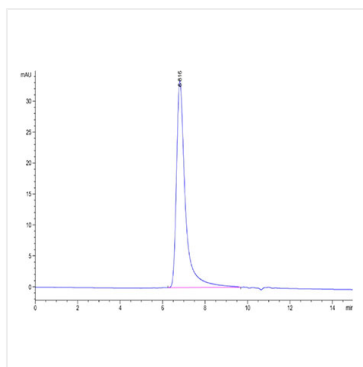
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. 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.

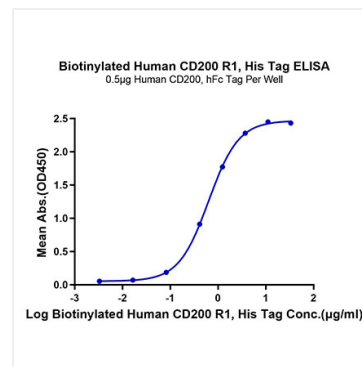
Validation Data



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.