

Recombinant Mouse CD200R1 Protein

Catalog No.: RP01537 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	57781	Q9ES57

Tags

C-hFc&Avi

Synonyms

CD200R;CRTR2;MOX2R;OX2R;CD200R1

Product Information

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

Calculated MW	Observed MW
50.89 kDa	75-100 kDa

Endotoxin

<0.1EU/μg

Formulation

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

Reconstitution

Centrifuge the vial 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

The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cell surface glycoprotein CD200 receptor 1 (CD200R1) is an isoform of CD200 receptors that is expressed on cells of the myeloid lineage. CD200R1 is a receptor for the OX-2 membrane glycoprotein. The receptor-substrate interaction may serve as a myeloid downregulatory signal.

Basic Information

Description

Recombinant Mouse CD200R1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr26-Pro238) of mouse CD200R1 (Accession #NP_067300.1) fused with Fc, Avi tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CD200 Protein at 2μg/mL (100 μL/well) can bind mouse CD200 R1 with a linear range of 3.9-92.9ng/mL.

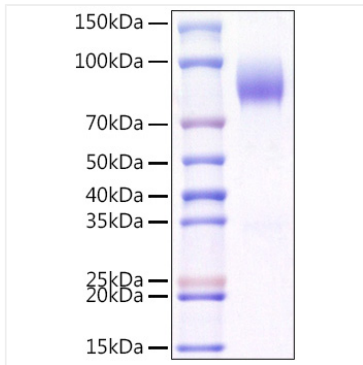
Storage

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

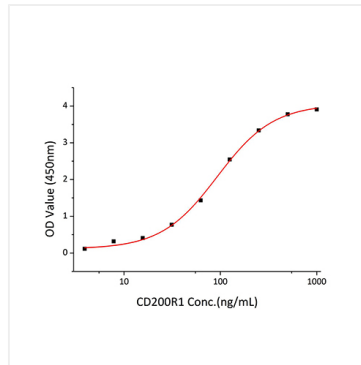
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse CD200R1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 75-90kDa.



Immobilized Human CD200 Protein at 2 μ g/mL (100 μ L/well) can bind mouse CD200 R1 with a linear range of 3.9-92.9ng/mL.