

Recombinant Human OX-2/CD200 Protein

Catalog No.: RP00127 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4345	P41217

Tags

C-His

Synonyms

CD200;MOX1;MOX2;MRC;OX-2

Product Information

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

Calculated MW	Observed MW
23.29 kDa	40-50 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 protein is a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms.

Basic Information

Description

Recombinant Human OX-2/CD200 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln31-Gly232) of human CD200/OX-2 (Accession #NP_005935.4) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CD200 at 2 μg/mL (100 μL/well) can bind Human CD200R with a linear range of 0.058-8.34 ng/mL.

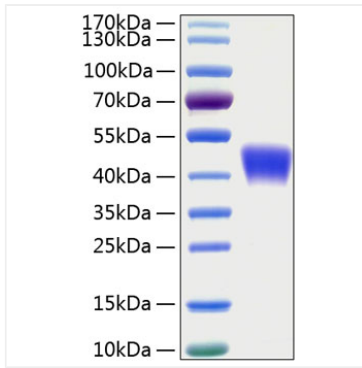
Storage

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

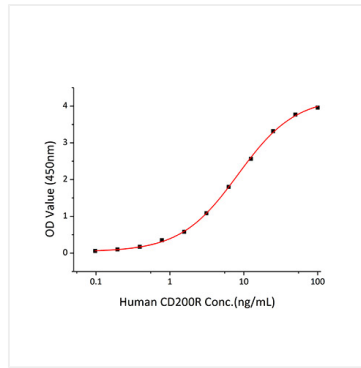
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human OX-2/CD200 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 39-50 kDa.



Immobilized Human CD200 at 2 μ g/mL (100 μ L/well) can bind Human CD200 R with a linear range of 0.058-8.34 ng/mL.