

Catalog No.: RP00127 **Recombinant**

Species	Gene ID	Swiss Prot
Human	4345	P41217

C-His

CD200:MOX1:MOX2:MRC:OX-2

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
23.29 kDa	40-50 kDa

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

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

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.

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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.

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 6xHis tag at the C-terminus.

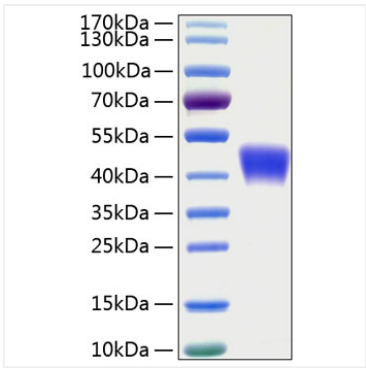
Measured by its binding ability in a functional ELISA. Immobilized Human CD200 at 2 $\mu\text{g/mL}$ (100 μL /well) can bind Human CD200R with a linear range of 0.058-8.34 ng/mL .

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

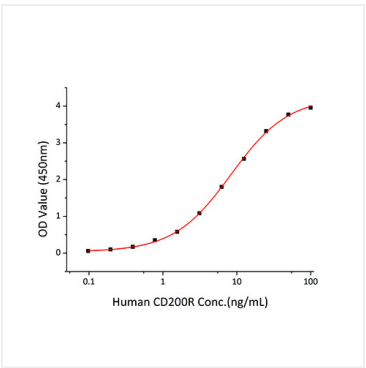
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human OX-2/CD200 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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