Recombinant Human OX-2/CD200 Protein

Catalog No.: RP00127

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Sequence Information

Species
Human

Gene ID
4345

Swiss Prot
P41217

Tags
C-His

Synonyms
CD200,MOX1,MOX2,MRC,OX-2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
23.29 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

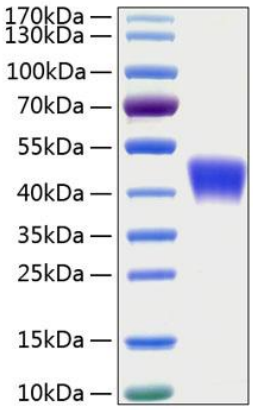
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

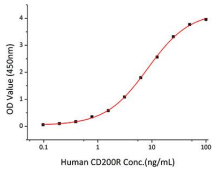
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Validation Data



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.