

Recombinant Human OX-2/CD200 Protein

Catalog No.: RP00127 **Recombinant**

Sequence Information

Species Human **Gene ID** 4345 **Swiss Prot** P41217

Tags

C-His

Synonyms

CD200;MOX1;MOX2;MRC;OX-2

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.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

Operational Notes

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

Product Information

Source

HEK293 cells

Purification

≥ 95 % as determined 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.

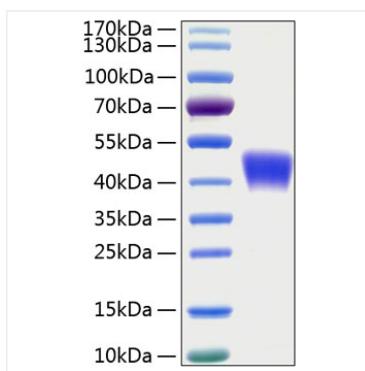
Reconstitution

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 freeze-thaw cycles.

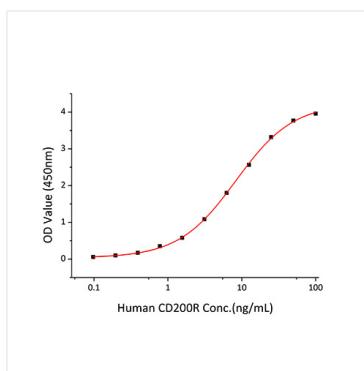
Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Validation Data



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



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