

Human CD200 / OX-2 Protein, Fc Tag, low endotoxin

Catalog # OX2-H5251



BIOSYSTEMS
Acro

Synonym

CD200, MOX1, MOX2, MRC, OX-2, My033

Source

Human CD200, Fc Tag (OX2-H5251) is expressed from human 293 cells (HEK293). It contains AA Gln 31 - Gly 232 (Accession # [AAH22522](#)).
Predicted N-terminus: Gln 31

Molecular Characterization

CD200(Gln 31 - Gly 232) AAH22522	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 48.6 kDa. The protein migrates as 60-70 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

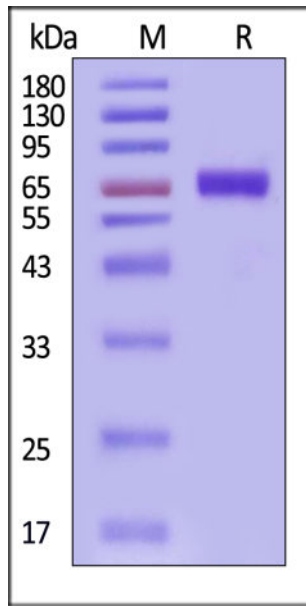
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

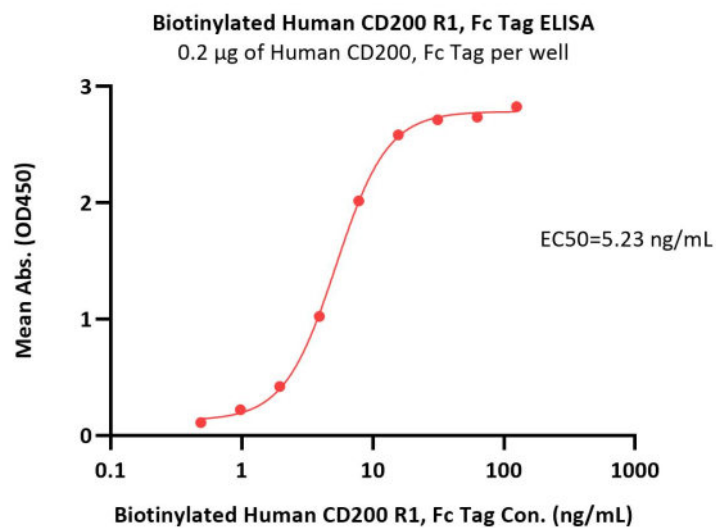
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Human CD200, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA



Immobilized Human CD200, Fc Tag (Cat. No. OX2-H5251) at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD200 R1, Fc, Avitag (Cat. No. CR2-H82F4) with a linear range of 0.5-7.8 ng/mL (QC tested).

Background

CD200 is also known as OX-2 membrane glycoprotein (OX-2), is a type-1 membrane glycoprotein, which contains two immunoglobulin domains (1 Ig-like C2-type (immunoglobulin-like) domain and Ig-like V-type (immunoglobulin-like) domain), and thus belongs to the immunoglobulin superfamily. CD200 / OX-2 is widely expressed in multiple cell types. CD200 interacts with a structurally related receptor (CD200R) expressed mainly on myeloid cells and is involved in regulation of macrophage and mast cell function. OX-2 / CD200 and CD200R associate via their respective N-terminal Ig-like domains. CD200 also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion.

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