

CD200 recombinant protein

Recombinant Mouse CD200 Protein (ECD, mFc Tag), HPLC-verified

CATALOG # AAA259386	HOST HEK293 Cells	REACTIVITY Mouse
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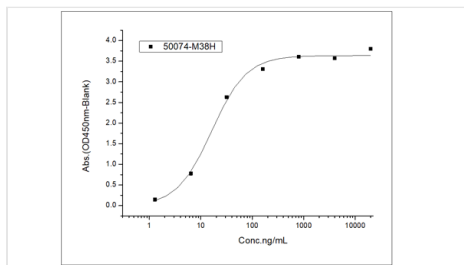
PRODUCT SYNONYMS

CD200; Recombinant Mouse CD200 Protein (ECD, mFc Tag); HPLC-verified; Mouse CD200 Protein (ECD, Cd200 molecule; Cd200 Protein; Mouse; Mox2 Protein; OX2 Protein; CD200 recombinant protein

PRODUCT SPECIFICATIONS

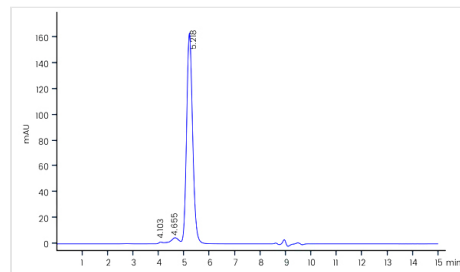
Host	HEK293 Cells
Reactivity	Mouse
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Met1-Gly23 2
Tag	C-mouse IgG2a-Fc
Predicted N Terminal	Met
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Mouse CD200 (O54901.1)(Met1-Gly232) was expressed with the Fc region of mouse IgG2a at the C-terminus.
Activity	Immobilized Recombinant Mouse CD200R1/OX-2R Protein (His Tag) at 2ug/mL (100uL/well) can bind Recombinant Mouse CD200 Protein (ECD, mFc Tag), the EC50is 10-30ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES

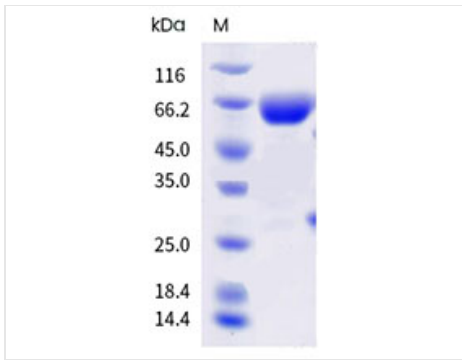


Application Data

Immobilized Recombinant Mouse CD200R1/OX-2R Protein (His Tag) at 2ug/mL (100uL/well) can bind Recombinant Mouse CD200 Protein (ECD, mFc Tag)(#AAA259386), the EC50is 10-30ng/mL.



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ADDITIONAL INFORMATION

Related Product Information for CD200 recombinant protein	CD200 (OX-2) is a cell surface glycoprotein that imparts immune privileges by suppressing alloimmune and autoimmune responses through its receptor, CD200R, expressed primarily on myeloid cells. Signals delivered through the CD200:CD200R axis have been shown to play an important role in the regulation of anti-tumor immunity, and overexpression of CD200 has been reported in a number of malignancies, including CLL, as well as on cancer stem cells. The role of CD200-CD200R signaling in immune regulation of the central nervous system has become a popular field of research in recent years. Many studies have shown that there is a close correlation between CD200-CD200R, microglia activation, and Parkinson's disease (PD). The ability of CD200 to suppress myeloid cell activation is critical for maintaining normal tissue homeostasis but may also enhance the survival of migratory neoplastic cells. CD200 and CD200R associate via their respective N-terminal Ig-like domains. CD200 has been characterized as an important immunoregulatory molecule, increased expression of which can lead to decreased transplant rejection, autoimmunity, and allergic disease. Elevated CD200 expression has been reported to be associated with poor prognosis in some human malignancies. Besides, CD200 also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion.
Product Categories/Family for CD200 recombinant protein	Neuroinflammation Cancer Drug Targets
References	Mina. K. e. al. (2006. I. th. CD200/CD20. recepto. interactio. mor. tha. jus. . myeloi. cel. inhibitor. signal. Cri. Re. Immunol. 26(3). 213-30. Wan. XJ. e. al. (2007. CD200-CD200. regulatio. o. microgli. activatio. i. th. pathogenesi. o. Parkinson'. disease. . Neuroimmun. Pharmacol. 2(3). 259-64. Won. KK. e. al. (2010. Th. rol. o. CD20. i. immunit. t. . cel. lymphoma. . Leuko. Biol. 88(2). 361-72.

NCBI AND UNIPROT INFORMATION

NCBI GI #	26006825
NCBI GeneID	17470
UniProt Accession #	O54901
NCBI Official Full Name	OX-2 membrane glycoprotein
NCBI Official Synonym Full Names	CD200 antigen
NCBI Official Symbol	Cd200
NCBI Official Synonym Symbols	OX2; Mox2
NCBI Protein Information	OX-2 membrane glycoprotein
UniProt Protein Name	OX-2 membrane glycoprotein
UniProt Gene Name	Cd200
UniProt Synonym Gene Names	Mox2
UniProt Entry Name	OX2G_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cd200-recombinant-protein-hek293-cells/259386>