

CD200 (MOX1) Active Protein | CD200 active protein

Mouse CD200 Recombinant (MOX1)

CATALOG #	HOST
AAA76111	N/A (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

CD200 (MOX1); Mouse CD200 Recombinant (MOX1); Mouse CD200 Recombinant (MOX1) ; CD200; MOX1; MOX2; MRC; OX-2; CD200 active protein

PRODUCT SPECIFICATIONS

Host	N/A (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>98%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant CD200 is supplied as a 0.2 um filtered PBS solution, pH7.2.
Sequence Length	278
Source	Optimized DNA sequence encoding extracellular domain of Mouse CD200 including a C-terminal 6His tag was expressed in HEK293 cells.
Molecular Weight	Recombinant Mouse CD200 is a monomer protein consisting of 213 amino acid residue subunits, due to glycosylation migrates as an approximately 40-45kDa protein on SDS-PAGE.
Biological Activity	The activity was tested by the ability of immobilized recombinant mouse CD200 (1ug/ml, 100ul/well) to bind mouse CD200R1 with a linear range of 1-200 ng/ml.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Preparation and Storage	Recombinant CD200, as supplied, can be stored in working aliquots at 2°- 8 degree C for one month, or at -20°C to -70°C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Product Categories/Family for CD200 active protein	Receptors CD
References	• CD200 is preferentially expressed in cd138 dim multiple myeloma cells: implications for a myeloma stem cell subpopulation with potential immune-resistance. <i>.Blood (ASH Annual Meeting Abstracts)</i>, Nov 2009; 114: 4877. • <i>essential roles for dok2 and rasgap in CD200 receptor-mediated regulation of human myeloid cells</i> .J. Immunol., Oct 2009; 183: 4879 - 4886. • <i>lack of CD200 enhances pathological t cell responses during influenza infection</i> .J. Immunol., Aug 2009; 183: 1990 - 1996. • <i>expression of a CD200 transgene is necessary for induction but not maintenance of tolerance to cardiac and skin allografts</i> .J. Immunol., Aug 2009; 183: 1560 - 1568. • <i>induction of CD200 signalling reduces inflammatory cell infiltration and inhibits laser-induced choroidal neovascularization</i> .Invest. Ophthalmol. Vis. Sci., Apr 2009; 50: 3759.

NCBI AND UNIPROT INFORMATION

NCBI GI #	26006825
NCBI GeneID	17470
UniProt Accession #	O54901; O54816; Q9JHD5

NCBI Official Full Name	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://stage.aaabiotech.com/active-protein/cd200-mox1/76111>