

CD200R Active Protein | CD200R1 active protein

CD200R Protein, Human, Recombinant (His & hFc Tag)

CATALOG #
AAA257969

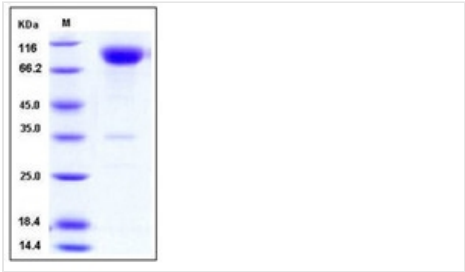
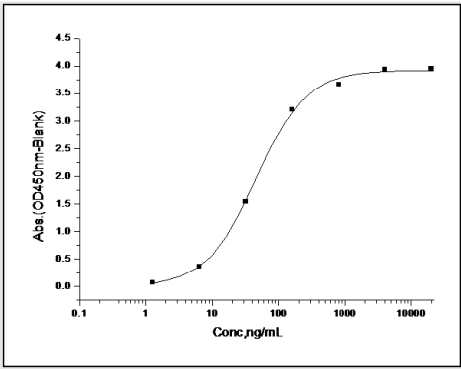
HOST
HEK293 Cells

PRODUCT SYNONYMS

CD200R; CD200R Protein; Human; Recombinant (His & hFc Tag); Human CD200R1 Protein (His & Fc Tag); HCRT2 Protein; MOX2R Protein; OX2R Protein; CD200 receptor 1; CD200R1 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>94% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Leu26 6
Species	Human
Activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD200 at 1ug/ml (100ul/well) can bind human CD200R1/Fc Chimera with a linear range of 0.12-16ng/mL.
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Ala 27
Tag	C-human IgG1-Fc & His
Protein Construction	A DNA sequence encoding the human CD200R1 (AAI43394.1) extracellular domain (Met 1-Leu 266) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
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.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD200 at 1 ug/ml (100 ul/well) can bind human CD200R1 / Fc Chimera with a linear range of 0.12-16 ng/ml.

ADDITIONAL INFORMATION

Related Product Information for CD200R1 active protein	Background: The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cell surface glycoprotein CD200 receptor 1 (CD200R1) is an isoform of CD200 receptors that is expressed on cells of the myeloid lineage. CD200R1 is a receptor for the OX-2 membrane glycoprotein. The receptor-substrate interaction may serve as a myeloid downregulatory signal.
Product Categories/Family for CD200R1 active protein	Neuroinflammation Cancer Drug Targets
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219519975
NCBI GeneID	131450
Molecular Weight	39,056 Da
NCBI Official Full Name	CD200R1 protein
NCBI Official Synonym Full Names	CD200 receptor 1
NCBI Official Symbol	CD200R1
NCBI Official Synonym Symbols	OX2R; MOX2R; CD200R; HCRTR2
NCBI Protein Information	cell surface glycoprotein CD200 receptor 1

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.