

CD200 active protein

Recombinant mouse CD200 protein

CATALOG # AAA48373	HOST Baculovirus	APPLICATIONS SDS-Page
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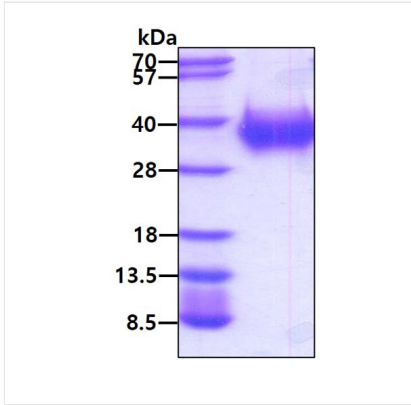
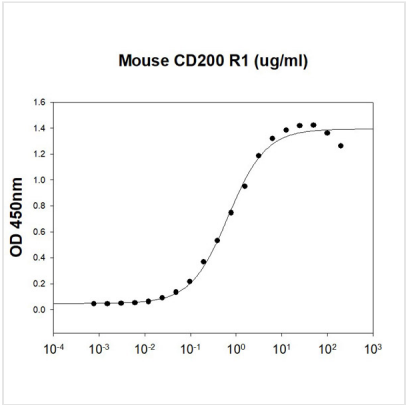
PRODUCT SYNONYMS

CD200; Recombinant mouse CD200 protein; Cd200; Mox2; OX2; OX-2 membrane glycoprotein isoform 1; MRC OX-2 antigen; CD200 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	31-232aa
Sequence	QVEVVTQDER KALHTTASLR CSLKTSQEPL ITWQKKKAV SPENMVTYSK THGVVIQPAY KDRINVTELG LWNSSITFWN TTLEDEGCYM CLFNTFGSQK VSGTACLTLY VQPIVHLHYN YFEDHLNITC SATARPAPAI SWKGTGTGIE NSTESHFHSN GTTSVTSILR VKDPKTQVGK EVICQVLYLG NVIDYKQSLD KG
Applicable Applications for CD200 active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Mouse
Tag	His-Tag
Predicted N-term	Gln31
Bioactivity	Measured by its binding ability in a functional ELISA with Mouse CD200 R1
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity
Mouse CD200 is coated at 1 ug/ml (100 ul/well) can bind CD200 R1 (CAT# ATGP3457) in a Functional ELISA assay.

SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for CD200 active protein	CD200, also known as OX-2 membrane glycoprotein isoform 1, is one of the immunoglobulin superfamily. It plays an important role in anti-tumor immunity through interaction with its receptor, and overexpression of this protein effects on malignancies as well as on cancer stem cells. In T cells, this protein functions as a co-stimulatory effect that is independent of the CD28 pathway. It also plays an important role on myeloid cell regulation that is suggested by restricted expression of its receptor. Studies of this protein in mouse and rat suggest that this gene may regulate myeloid cell activity and delivers an inhibitory signal for the macrophage lineage in diverse tissues. Recombinant mouse CD200, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for CD200 active protein	Immunology; Proteins
References	Poongodi R., et al. (2018) Indian J Pathol Microbiol. 61:50-57. ;Kuwabara J., et al. (2018) Biochem Biophys Res Commun. 496:542-548.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	O54901
Molecular Weight	23.5kDa (210aa)
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/baculovirus-active-protein/cd200/48373>