

Active Recombinant Human CD200 Protein, His-tagged

Cat. No. CD200-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD200 protein (31-232 aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	211
Description	This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human CD200R1.
Molecular Mass	23.5 kDa
AA Sequence	QVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKAVSPENMVTFSENHGVVI QPAYKDKINITQLGLQNSTITFWNITLEDGCMCLFNTFGFGKISGTACLTVYVQPIV

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	SLHYKFSEDHLNITCSATARPAPMVFWKVPRSGIENSTVTLSHPNGTTSVTSILHIKD PKNQVGKEVICQVLHLGTVTDFKQTVNKG
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	CD200 CD200 molecule [Homo sapiens (human)]
Official Symbol	CD200
Synonyms	CD200; CD200 molecule; MRC; MOX1; MOX2; OX-2; OX-2 membrane glycoprotein; CD200 antigen; antigen identified by monoclonal antibody MRC OX-2
Gene ID	4345
mRNA Refseq	NM_005944
Protein Refseq	NP_005935

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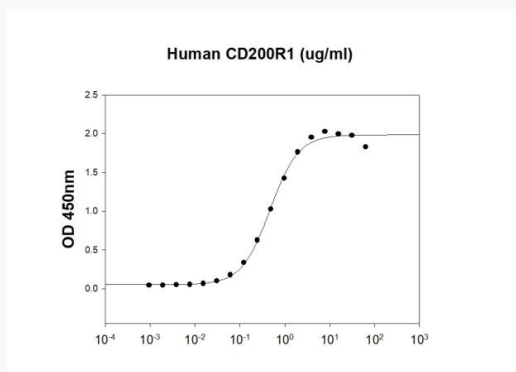
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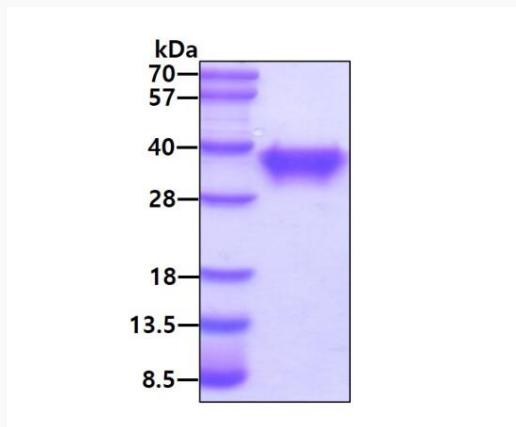
UniProt ID P41217

Biological Activity



CD200 Subunit is coated at 10 µg/mL (100 µL/well) can bind Human CD200R1 in a Functional ELISA assay.

SDS-PAGE



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

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