

## Recombinant Human CD200 Protein, His-tagged

Cat. No. CD200-133H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD200 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	278
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	23.4 kDa
<b>AA Sequence</b>	MERLVIRMPFSHLSTYSLVWVMAAVVLCCTAQVQVVTQDEREQLYTPASLKCSLQNA QEALIVTWQKKKAVSPENMVTFSENHGVVIQPAYKDKINITQLGLQNSTITFWNITL DEGCYMCLFNTFGFGKISGTA CLTVYVQPIVSLHYKFSEDHLNITCSATARPAPMVF WKVPRSGIENSTVTL SHPNGTTSVTSILHIKDPKNQVGKEVICQVLHLGTVTDFKQTV NKGWFSVPLLLSIVSLVILLVLISILLYWKRHRNQDRGELSQQGVQKMT

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<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	CD200 CD200 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD200
<b>Synonyms</b>	CD200; CD200 molecule; antigen identified by monoclonal MRC OX 2 , CD200 antigen , MOX1, MOX2; OX-2 membrane glycoprotein; MRC; OX 2; CD200 antigen; MRC OX-2 antigen; antigen identified by monoclonal MRC OX-2; MOX1; MOX2; OX-2;
<b>Gene ID</b>	4345

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mRNA Refseq	NM_001004196
Protein Refseq	NP_001004196
MIM	155970
UniProt ID	P41217

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