

Active Recombinant Human CD200 Chimera Protein

Cat. No. CD200-03H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD200 Chimera Protein was expressed in mouse myeloma cell line
Species	Human
Source	NS0
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	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human CD200 R1 Chimera is immobilized at 2 µg/mL (100 µL/well), the concentration of Recombinant Human CD200 Fc Chimera that produces 50% of the optimal binding response is approximately 2.5-15 ng/mL.
Molecular Mass	49 kDa (monomer)
N-terminal Sequence Analysis	No results obtained: Gln31 predicted

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Endotoxin	<0.10 EU per 1 ug of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Structure / Form	Disulfide-linked homodimer

GENE INFORMATION

Gene Name	CD200 CD200 molecule [Homo sapiens (human)]
Official Symbol	CD200
Synonyms	antigen identified by monoclonal MRC OX-2; CD200 antigenMOX1; CD200 molecule; CD200; MOX1; MOX2; MOX2MRC; MRC OX-2 antigen; MRC; OX-2 membrane glycoprotein; OX-2
Gene ID	4345

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mRNA Refseq	NM_001004196.4
Protein Refseq	NP_001004196.2
MIM	155970
UniProt ID	P41217

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