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Datasheet for ABIN1096302
CD200 Protein (CD200) (AA 21-232) (His tag)

Overview

Quantity:	50 µg
Target:	CD200
Protein Characteristics:	AA 21-232
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD200 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human OX-2/MOX1/CD200 (C-6His)
Sequence:	QVQVVTQDER EQLYTPASLK CSLQNAQEAL IVTWQKKKAV SPENMVTFS E NHGVVIQPAY KDKINITQLG LQNSTITFWN ITLEDEGCYM CLFNTEFGFGK ISGTACLT VY VQPIVSLHYK FSEDHLNITC SATARPAPMV FWKVPRSGIE NSTVTL SHPN GTTSVTSILH IKDPKNQV GK EVICQVLHLG TVTDFKQTVN KGV DHHHHHHH
Characteristics:	Recombinant Human CD200 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Val21-Gly232) of Human CD200 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CD200
Alternative Name:	cd200 (CD200 Products)
Sub Type:	Fusionprotein
Background:	<p>CD200 is a transmembrane immunoregulatory protein that belongs to the immunoglobulin superfamily. It contains one Ig like V type domain and one Ig like C2 type domain in its extracellular domain. CD200 is widely but not ubiquitously expressed. Its receptor (CD200R) is restricted primarily to mast cells, basophils, macrophages, and dendritic cells, which suggests myeloid cell regulation as the major function of CD200. CD200 and CD200R associate via their respective N-terminal Ig-like domains. In myeloid cells, CD200R initiates inhibitory signals following receptor-ligand contact. In T cells, CD200 functions as a co-stimulatory molecule independent of the CD28 pathway. In addition, CD200 also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion.</p> <p>Alternative Names: OX-2 Membrane Glycoprotein, CD200, MOX1, MOX2</p>
Molecular Weight:	23.48 kDa
UniProt:	P41217

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months