



[Go to Product page](#)

Datasheet for ABIN7194725
CD200 Protein (CD200) (His tag,Fc Tag)

Overview

Quantity:	50 µg
Target:	CD200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD200 protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human CD200/OX-2 Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Gly 232
Characteristics:	A DNA sequence encoding the human CD200 (NP_005935.4) extracellular domain (Met 1-Gly 232) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human CD200R1 at 1 µg/ml (100 µl/well) can bind human CD200 Fc Chimera with a linear range of 0.12-16 ng/ml.

Target Details

Target:	CD200
---------	-------

Target Details

Alternative Name:	CD200/OX-2 (CD200 Products)
Background:	<p>Background: CD200 (OX-2) is a cell surface glycoprotein that imparts immune privileges by suppressing alloimmune and autoimmune responses through its receptor; CD200R; expressed primarily on myeloid cells. Signals delivered through the CD200:CD200R axis have been shown to play an important role in the regulation of anti-tumor immunity; and overexpression of CD200 has been reported in a number of malignancies; including CLL; as well as on cancer stem cells. The role of CD200-CD200R signaling in immune regulation of the central nervous system has become a popular field of research in recent years. Many studies have shown that there is a close correlation between CD200-CD200R; microglia activation; and Parkinson's disease (PD). The ability of CD200 to suppress myeloid cell activation is critical for maintaining normal tissue homeostasis but may also enhance the survival of migratory neoplastic cells. CD200 and CD200R associate via their respective N-terminal Ig-like domains. CD200 has been characterized as an important immunoregulatory molecule; increased expression of which can lead to decreased transplant rejection; autoimmunity; and allergic disease. Elevated CD200 expression has been reported to be associated with poor prognosis in a number of human malignancies. In addition; CD200 also plays an important role in prevention of graft rejection; autoimmune diseases and spontaneous abortion. Immune</p> <p>Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: MOX1;MOX2;MRC;OX-2;OX2</p>

Molecular Weight: 50.5 kDa

NCBI Accession: [NP_005935](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20°C for 3 months.