

Datasheet for ABIN7320017

**CD200 Protein (CD200) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	CD200
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD200 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD200 Protein (His Tag)(Active)
Sequence:	Met 1-Gly 232
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CD200 (O54901.1) (Met 1-Gly 232) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse CD200 at 1 µg/ml (100ul/well) can bind mouse CD200R1/Fc with a linear range of 1.5-200 ng/ml.

## Target Details

Target:	CD200
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## Target Details

Alternative Name: CD200 ([CD200 Products](#))

Background: 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 Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy

Synonym: Mox2;OX2

Molecular Weight: 24 kDa

UniProt: [O54901](#)

## 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

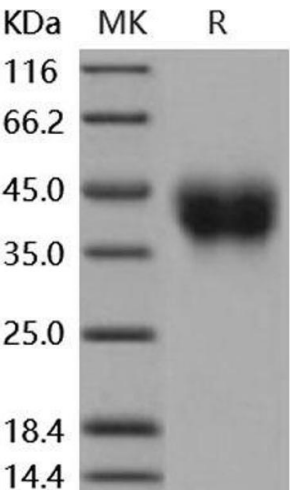
Storage: 4 °C, -20 °C, -80 °C

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

Handling

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

Images



**Western Blotting**

**Image 1.**