

Datasheet for ABIN2180723

**CD200 Protein (CD200) (AA 31-232) (His tag)**[Go to Product page](#)**2** Images**1** Publication

## Overview

Quantity:	100 µg
Target:	CD200
Protein Characteristics:	AA 31-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD200 protein is labelled with His tag.

## Product Details

Sequence:	AA 31-232
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 23.4 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>98 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	CD200
Alternative Name:	CD200 ( <a href="#">CD200 Products</a> )
Background:	CD200 is also known as OX-2 membrane glycoprotein (OX-2), is a type-1 membrane glycoprotein, which contains two immunoglobulin domains (1 Ig-like C2-type (immunoglobulin-

## Target Details

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like) domain and Ig-like V-type (immunoglobulin-like) domain), and thus belongs to the immunoglobulin superfamily. CD200 / OX-2 is widely expressed in multiple cell types. CD200 interacts with a structurally related receptor (CD200R) expressed mainly on myeloid cells and is involved in regulation of macrophage and mast cell function. OX-2 / CD200 and CD200R associate via their respective N-terminal Ig-like domains. CD200 also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion.

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Molecular Weight:	23.3 kDa
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## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
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Buffer:	PBS, pH 7.4
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Handling Advice:	Please avoid repeated freeze-thaw cycles.
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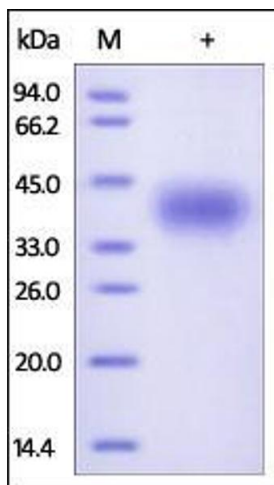
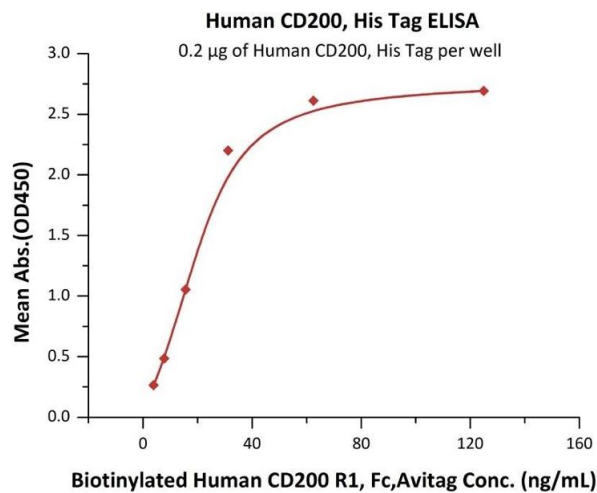
Storage:	-20 °C
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Storage Comment:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.
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## Publications

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Product cited in:	Cirka, Monterosso, Diamantides, Favreau, Wen, Billiar: "Active Traction Force Response to Long-Term Cyclic Stretch Is Dependent on Cell Pre-stress." in: <b>Biophysical journal</b> , Vol. 110, Issue 8, pp. 1845-1857, (2017) ( <a href="#">PubMed</a> ).
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**ELISA**

**Image 1.** Immobilized Human CD200, His Tag (ABIN2444168,ABIN2180723) at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD200 R1, Fc,Avitag (ABIN5674587,ABIN6253680) with a linear range of 1-31 ng/mL (QC tested).

**SDS-PAGE**

**Image 2.** Human CD200, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 98%.