

Datasheet for ABIN7274120

CD200 Protein (CD200) (AA 31-232) (His tag)**3** Images[Go to Product page](#)

Overview

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

Product Details

Purpose:	Mouse CD200/OX-2 Protein
Sequence:	Gln31-Gly232
Characteristics:	Recombinant Mouse CD200/OX-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln31-Gly232.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 1.19 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	CD200
Alternative Name:	CD200 (CD200 Products)
Background:	CD200 and its receptors are highly expressed in the lung, on epithelial cells and leukocytes, and emerging evidence links dysregulation of the CD200 pathway with asthma. Moreover, pharmacological modulation of CD200 receptors was shown to improve clinical and inflammatory outcomes of preclinical asthma models.
Molecular Weight:	23.6 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.
UniProt:	O54901

Application Details

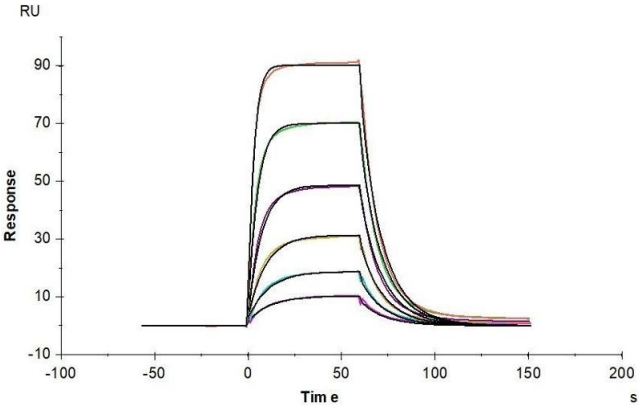
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

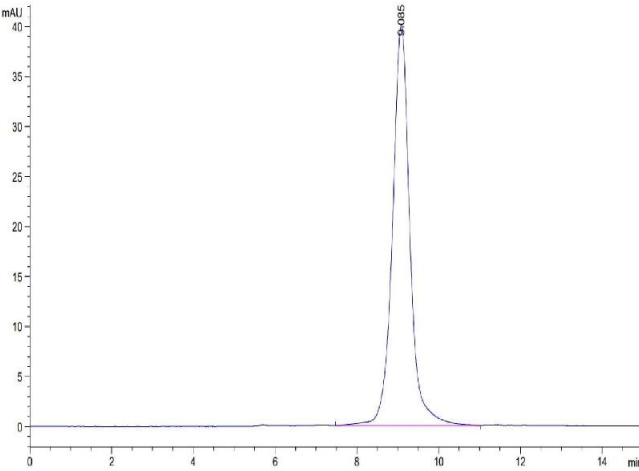
Surface Plasmon Resonance

Image 1. Mouse CD200 R1, His Tag immobilized on CM5 Chip can bind Mouse CD200, His Tag with an affinity constant of 1.19 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CD200 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Mouse CD200 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

