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Datasheet for ABIN7274124

CD200R1 Protein (AA 26-238) (His tag)

3 Images

Overview

Quantity:	100 µg
Target:	CD200R1
Protein Characteristics:	AA 26-238
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD200R1 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD200 R1 Protein
Sequence:	Thr26-Pro238
Characteristics:	Recombinant Mouse CD200 R1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr26-Pro238.
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

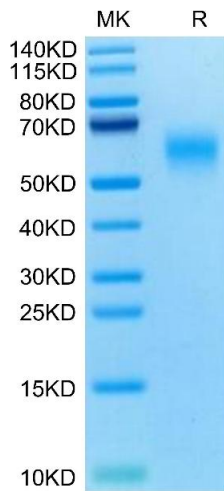
Target:	CD200R1
Alternative Name:	CD200 R1 (CD200R1 Products)
Background:	CD200Fc, a chimeric molecule including the extracellular domain of CD200 and a murine IgG2a Fc region, regulates immune responses following engagement of a cell surface receptor, CD200R, expressed on cells of the myeloid and T cell lineage. A recent report focused attention on a family of CD200Rs, but concluded that only one member used CD200 as its ligand.
Molecular Weight:	24.21 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
UniProt:	Q9ES57

Application Details

Restrictions:	For Research Use only
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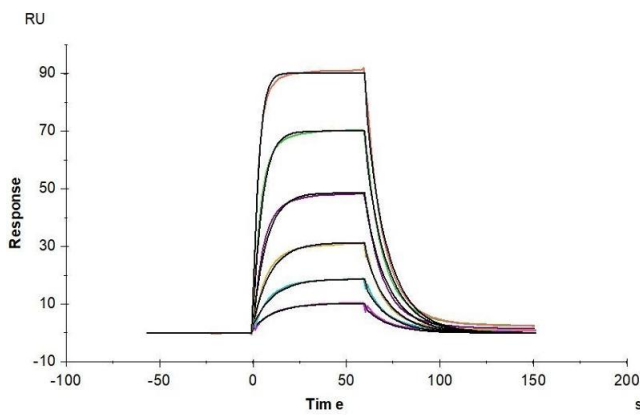
Handling

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



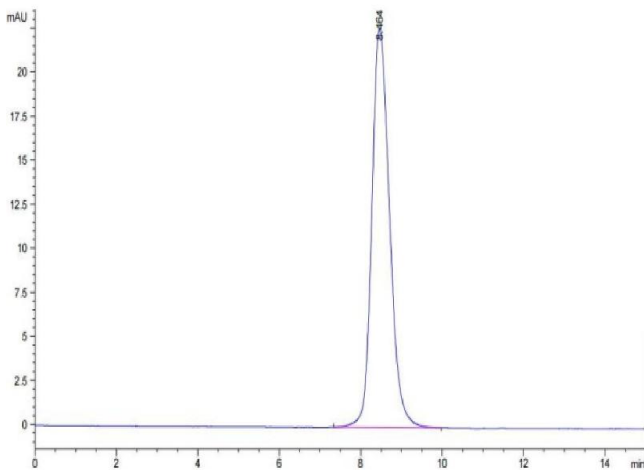
SDS-PAGE

Image 1. Mouse CD200 R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 2. 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 3. The purity of Mouse CD200 R1 is greater than 95 % as determined by SEC-HPLC.