antibodies

Datasheet for ABIN7274101 CD200R1 Protein (AA 25-267) (His tag)





Overview

Quantity:	100 µg
Target:	CD200R1
Protein Characteristics:	AA 25-267
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD200R1 protein is labelled with His tag.

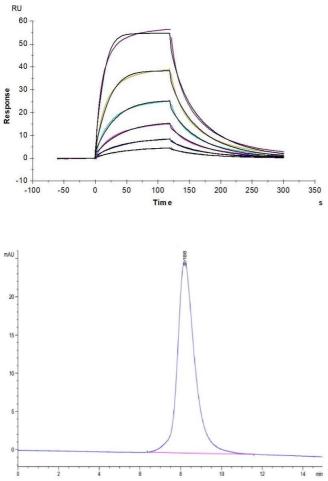
Product Details

Purpose:	Cynomolgus CD200 R1/CRTR2 Protein
Sequence:	Glu25-Leu267
Characteristics:	Recombinant Cynomolgus CD200 R1/CRTR2 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Glu25-Leu267.
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 35.84 nM as determined in SPR assay (Biacore T200). See testing image for detail.

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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:	28.09 kDa. Due to glycosylation, the protein migrates to 67-77 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005548207
Application Details	
Restrictions:	For Research Use only
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



MK R

140KD 115KD

> 80KD 70KD

50KD 40KD 30KD 25KD

15KD

10KD

Surface Plasmon Resonance

Image 1. Cynomolgus CD200 R1, His Tag immobilized on CM5 Chip can bind Cynomolgus CD200, His Tag with an affinity constant of 35.84 nM as determined in SPR assay (Biacore T200).

Size-exclusion chromatography-High Pressure Liquid Chromatography

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

SDS-PAGE

Image 3. Cynomolgus CD200 R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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