

Datasheet for ABIN7454088

CD2 Protein (CD2) (AA 25-209) (His tag)



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Overview

Quantity:	100 µg
Target:	CD2
Protein Characteristics:	AA 25-209
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD2 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus CD2/SRBC Protein
Sequence:	Lys25-Asp209
Characteristics:	Recombinant Cynomolgus CD2/SRBC Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Lys25-Asp209.
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 27.63 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	CD2
Alternative Name:	CD2 (CD2 Products)
Background:	The CD2 family of receptors is evolutionarily conserved and widely expressed on cells within the hematopoietic compartment. In recent years several new members have been identified with important roles in the immune system. CD2 family members regulate natural killer (NK) cell lytic activity and inflammatory cytokine production when engaged by ligands on tumor cells.
Molecular Weight:	22.49 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
UniProt:	Q6SZ61

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