

Datasheet for ABIN7320156
CD84 Protein (CD84) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CD84
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD84 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SLAMF5/CD84 Protein (His Tag)(Active)
Sequence:	Met 1-Val 221
Characteristics:	A DNA sequence encoding the mouse CD84 isoform 1 (Q18PI6-1) extracellular domain (Met 1-Val 221) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind biotinylated recombinant human SH2D1A in a functional ELISA.

Target Details

Target:	CD84
Alternative Name:	SLAMF5/CD84 (CD84 Products)

Target Details

Background:	<p>Background: The CD2 family receptors are type I transmembrane glycoproteins belonging to immunoglobulin (Ig) superfamily characterized by a membrane-proximal Ig constant 2 (C2) domain and a membrane-distal variable (V) domain that is responsible for ligand recognition. CD84, also known as LY9B and SLAMF5, is a homophilic member of the SLAM (signaling lymphocyte activation molecule) subfamily of the CD2 family. The SLAM family receptors mediate signal transduction through the interaction of its ITSM (immunoreceptor tyrosine-based switch motifs) in the intracellular region and the SH2 domain of adaptor molecules SAP (SLAM-associated protein) and EAT-2 (EWS-activated transcript 2), and accordingly modulate both adaptive and innate immune responses. The CD84-CD84 interaction was independent of its cytoplasmic tail. Thus, CD84 is its own ligand and acts as a costimulatory molecule. CD84 is expressed on cells from almost all hematopoietic lineages and on CD34+ hematopoietic progenitor cells, suggesting that CD84 serves as a marker for committed hematopoietic progenitor cells.</p> <p>Synonym: SLAM family member 5, Cd84, Leukocyte differentiation antigen CD84, Signaling lymphocytic activation molecule 5, CD84, Ly-9B, SLAMF5, CD84 antigen, CD84 Molecule, SLAM family member 5</p>
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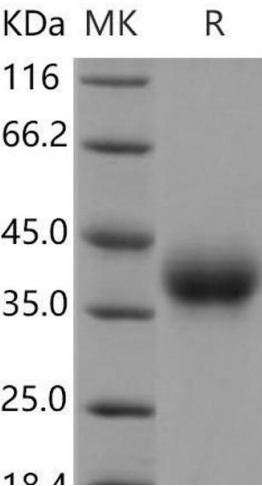
Molecular Weight:	24 kDa
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.