

Datasheet for ABIN7274212

CD6 Protein (CD6) (AA 18-402) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD6
Protein Characteristics:	AA 18-402
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD6 protein is labelled with His tag.

Product Details

Purpose:	Human CD6 Protein
Sequence:	His18-Leu402
Characteristics:	Recombinant Human CD6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His18-Leu402.
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 0.53 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

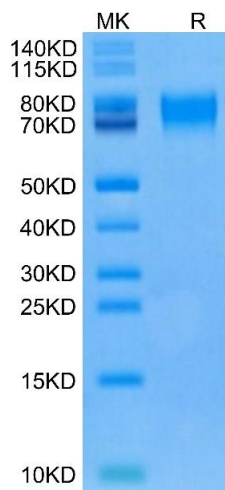
Target:	CD6
Alternative Name:	CD6 (CD6 Products)
Background:	The cell surface glycoprotein CD6 is expressed on leukocytes and mediates T cell trafficking across endothelial cell barriers. CD6 is a lymphocyte surface co-receptor physically associated with the T-cell receptor (TCR)/CD3 complex at the center of the immunological synapse.
Molecular Weight:	42.14 kDa. Due to glycosylation, the protein migrates to 70-90 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_006716

Application Details

Restrictions:	For Research Use only
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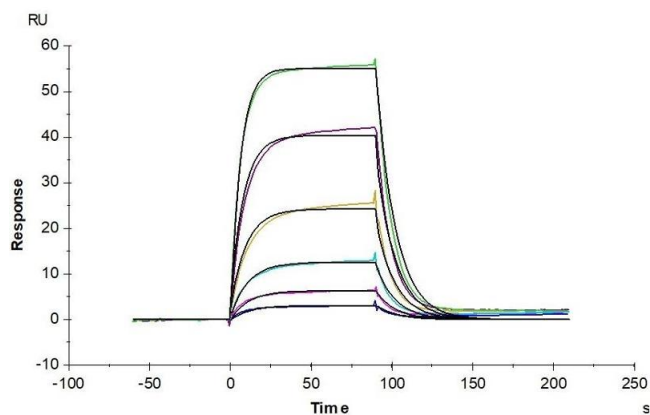
Handling

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



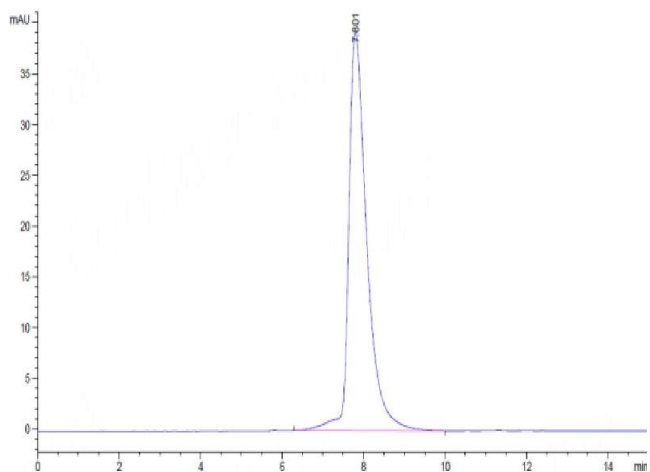
SDS-PAGE

Image 1. Human CD6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 2. Human ALCAM, hFc Tag captured on CM5 Chip via Protein A can bind Human CD6, His Tag with an affinity constant of 0.53 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD6 is greater than 95 % as determined by SEC-HPLC.