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Datasheet for ABIN7317120 CD6 Protein (CD6) (Fc Tag)

Image



Overview

Quantity:	100 µg
Target:	CD6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD6 protein is labelled with Fc Tag.

Product Details

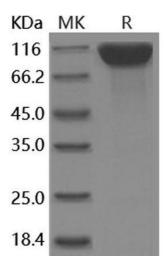
Purpose:	Recombinant Human CD6/TP120 (Fc Tag)(Active)
Sequence:	Met 1-Glu398
Characteristics:	A DNA sequence encoding the human CD6 (NP_006716.3) (Met1-Glu398) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8x10E4 cells/well are added to CD6-Fc coated plates (10 μ g/mL, 100 μ L/well), approximately >70% will adhere after 60 minutes at 37°C.

Target Details

Target:	CD6
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Target Details	
Alternative Name:	CD6/TP120 (CD6 Products)
Background:	Background: T-cell differentiation antigen CD6, also known as TP120 and CD6, is a single-pass type I membrane protein which contains three SRCR domains. CD6 / TP120 is a cell surface glycoprotein expressed primarily on T cells, it may function as a costimulatory molecule and may play a role in autoreactive immune responses. CD6 / TP120 is expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain. CD6 ligand termed CD166 (previously known as activated leukocyte cell adhesion molecule, ALCAM) has been identified and shown to be expressed on activated T cells, B cells, thymic epithelium, keratinocytes, and in rheumatoid arthritis synovial tissue. CD6 / TP120 binds to activated leukocyte cell adhesion molecule (CD166), and is considered as a costimulatory molecule involved in lymphocyte activation and thymocyte development. CD6 / TP120 partially associates with the TCR / CD3 complex and colocalizes with it at the center of the mature immunological synapse (IS) on T lymphocytes. During thymic development CD6-dependent signals may contribute both to thymocyte survival, and to the overall functional avidity of selection in both man and mouse. Synonym: TP120
Molecular Weight:	67.3 kDa
NCBI Accession: Application Details	NP_006716
Restrictions: Handling	For Research Use only
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.

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Western Blotting

Image 1.

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