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Datasheet for ABIN7534773  
**CD6 Protein (CD6) (Fc Tag,His tag)**

### 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,His tag.

### Product Details

Purpose:	Active Recombinant Human CD6 Protein
Sequence:	HPSPAPPDQL NTSSAESELW EPPERLPVRL TNGSSSCSGT VEVRLASWE PACGALWDSR AAEAVCRALG CGGAEAAASQL APPTPELPPP PAAGNTSVAA NATLAGAPAL LCSGAEWRLC EVVEHACRSD GRRARVTCAE NRALRLVDGG GACAGRVEML EHGEWGSVCD DTWDLEDAHV VCRQLGCGWA VQALPGLHFT PGRGPIHRDQ VNCSGAEAYL WDCPGLPGQH YCGHKEDAGA VCSEHQSWRL TGGADRCEGQ VEVHFRGVWN TVCDSEWYPS EAKVLCQSLG CGTAVERPKG LPHSLSGRMY YSCNGEELTL SNCSWRFNNS NLCSQSLAAR VLCSASRSLH NLSTPEVPAS VQVTIIESSV TVKIENKESR E
Specificity:	His18-Glu398
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

## Product Details

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**Biological Activity Comment:** 1. Measured by its binding ability in a functional ELISA. Immobilized Human CD166 at 1 µg/mL (100 µL/well) can bind Human CD6 with a linear range of 4-389 ng/mL. 2. Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8x10<sup>4</sup> cells/well are added to CD6 coated plates (5 µg/mL and 100 µL/well) in the presence of 10 µg/ml PHA, approximately 60-70% cells will adhere specifically after 60 minutes at 37°C.

## Target Details

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Target:	CD6
Alternative Name:	CD6 ( <a href="#">CD6 Products</a> )
Background:	CD6,TP120
Gene ID:	923
UniProt:	<a href="#">P30203</a>

## Application Details

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**Restrictions:** For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.