

Datasheet for ABIN7596202

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

Overview

Quantity:	500 µg
Target:	CD6
Protein Characteristics:	AA 18-402
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD6 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	HPSPAPP DQLNTSSAES ELWEPGERLP VRLTNGSSSC SGTVEVRLEA SWEPACGALW DSRAAEAVCR ALGCGGAEEA SQLAPPTPEL PPPPAAGNTS VAANATLAGA PALLCSGAEW RLCEVVEHAC RSDGRRARVT CAENRALRLV DGGGACAGRV EMLEHGEWGS VCDDTDWLED AHVVCRLGCG WAVQALPGL HFTPGRGPIH RDQVNCSGAE AYLWDCPGLP GQHYCGHKED AGAVCSEHQS WRLTGGADRC EGQVEVHFRG VWNTVCDSEW YPSEAKVLCQ SLGCGTAVER PKGLPHSLSG RMYSCNGEE LTLNCSWRF NNSNLCSQSL AARVLCASR SLHNLSTPEV PASVQTVTIE SSVTVKIENK ESRELMML
Purity:	90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human

Product Details

acute T cell leukemia cells. When cells are added to human CD6 coated plates 10 ug/ml. This effect is more to 50%.

Target Details

Target:	CD6
Alternative Name:	CD6 (CD6 Products)
Background:	CD6, also known as T-cell differentiation antigen CD6, is a member of the group B SRCR (scavenger receptor cysteine-rich) superfamily. CD6 is a cell surface glycoprotein expressed primarily on T cells and It expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain. And T-cell differentiation antigen CD6 appears to play a role as both a co-stimulatory molecule in T cell activation and as an adhesion receptor. CD6 binds to CD166(known as ALCAM), and is considered as a costimulatory molecule involved in lymphocyte activation and thymocyte development.. Certain alleles of this protein may be associated with susceptibility to multiple sclerosis. Recombinant human CD6, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	68.3kDa (627aa)
NCBI Accession:	NP_006716

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.