

## 32-13740: CD6 Human

**Format :** CD6 protein solution (0.5mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).  
**Alternative Name :** T-cell differentiation antigen CD6, T12, TP120, CD6, CD antigen, T-cell differentiation antigen CD6 isform1

### Description

Source:Sf9, Baculovirus cells.

Physical Appearance: Sterile filtered colorless solution.

Biological Activity: When cells are added to human CD6 coated plates at 10 ug/ml, this effect is more to 50%. It is defined as the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells.

CD6 is a cell surface glycoprotein expressed primarily on T cells. CD6 is expressed by mature T-cells, thymocytes, a subset of B-cells known as B-1 cells, and by cells in the brain (some of them). CD6 is a member of the group B SRCR (scavenger receptor cysteine-rich) superfamily. CD6 plays a role as both a co-stimulatory molecule in T cell activation and as an adhesion receptor. CD6 binds to CD166 and is considered as a costimulatory molecule involved in lymphocyte activation and thymocyte development.

CD6 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 627 amino acids (18-402a.a.) and having a molecular mass of 68.3kDa. CD6 is expressed with a 239 amino acid hlgG-His-Tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 20 µg / 5 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** ADPHSPAPP DQLNTSSAES ELWEPGERLP VRLTNGSSSC SGTVEVRLEA SWEPACGALW  
DSRAAEAVCR ALGCGGAEAA SQLAPPTPEL PPPPAAGNTS VAANATLAGA PALLCSGAEW RLCEVEHAC  
RSDGRRARVT CAENRALRLV DGGGACAGRV EMLEHGEWGS VCDTWDLED AHVVCRLGCG  
GWAVQALPGL HFTPGRGPIH RDQVNCSGAE AYLWDCPGLP GQHYCGHKED AGAVCSEHQS  
WRLTGGADRC EGQVEVHFRG VWNTVCDSEW YPSEAKVLCQ SLGCGTAVER PKGLPHSLSG  
RMYYSNCGEE LTLNCSWRF NNSNLCSQSL AARVLCASR SLHNLSTPEV PASVQTVTIE SSVTVKIENK  
ESREMLLVE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN  
WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP  
QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTTP VLDSGDSFFL YSKLTVDKSR  
WQQGNVFCSS VMHEALHNHY TQKLSLSLSPG KHHHHHHH