

Recombinant Human Soluble CD4

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	PA1111
Quantity:	2 µg
Concentration:	10 µg / 38,7 µl
Background:	CD4 is a cell-surface glycoprotein found on the mature helper T cells and immature thymocytes, as well as on monocytes and macrophages. (Some cytotoxic T cells have CD4 protein as well.) Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with either have CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.
Uniprot ID:	P01730
NCBI:	NP_000607.1
GeneID:	920
Species:	Human
Source:	Insect cells, (Baculovirus)
Format:	State: Sterile filtered colorless solution. Purity: >90% pure as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Buffer System: 10 mM Sodium Phosphate buffer pH 7.0, 300 mM Sodium Chloride
Description:	sCD4 Human Recombinant produced in Baculovirus is a single, glycosylated polypeptide chain containing 365 amino acids. As a result of glycosilation the sCD4 migrates as a 46 kDa protein on standard SDS-PAGE. Detected By Western Immunoblots anti CD4 monoclonal antibody. The sCD4 is purified by proprietary chromatographic techniques. AA Sequence: KKVVL GKKGDTVELT CTASQKKSIIQ FHWKNSNQIK ILGNQGSFLT KGPSKLNDRD DSRSLWDQG NFPLIIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS D THLLQGQSLT LTLESPPGSS PSVQCRSPRG KNIQGGKTLS VSQLELQDSG TWTCTVLQNG KKVEFKIDIV VLAFAQASSI VYKKEGEQVE FSPFLAFTVE KLTGSGELWWQAERASSKS WITFDLNKE VSVKRVTDQD KLQMGKLLPL HLTLPQALPQ YAGSNLTLALEAKTGKLLHQ EVNLVVMRAT QLQKNLTCEV WGPTSPKMLL SLKLENKEAK VSKREKAVVW LNPEAGMWQC LLSDSGQVLL ESNIKVLPTW Biological Activity: Immune reactive in ELISA using monoclonal anti CD4 in gpl20 capture ELISA assays. Molecular weight: 45 kDa (non glycosilated Molecular Mass)

Storage:

Store the protein undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Shelf life: one year from despatch.