

32-6534: CD4 (26-396) Human

Alternative Name : CD4 Molecule, T-Cell Surface Glycoprotein CD4, T-Cell Surface Antigen T4/Leu-3, CD4 Antigen (P55), CD4 Receptor, CD4 Antigen, CD4mut, T-cell surface glycoprotein CD4.

Description

Source: E.coli.

Sterile Filtered colorless solution.

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.

CD4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 396 amino acids (26-396 a.a) and having a molecular mass of 44kDa. CD4 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 85% as determined by SDS-PAGE.

Content : CD4 protein solution (0.25mg/ml) containing 20mM Tris Hcl, PH8.0 and 10% glycerol.

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 : MGSSHHHHH SSGLVPRGSH MGSHMKKVV L GKKGDTVELT CTASQKKSIQ FHWKNSNQIK
ILGNQGSFLT KGPSKLNDRA DSRRSLWDQG NFPLIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS
D THLLQGQSLT LTLESPPGSS PSVQCRSPRG KNIQGGKTLS VSQLELQDSG TWTCTVLQNQ KKVEFKIDIV
VLAFAQASSI VYKKEGEQVE FSFPLAFTVE KLTGSSELWW QAERASSSKS WITFDLKNKE VSVKRVTDQP
KLQMGKKLPL HLTLPQALPQ YAGSGNLTLA LEAKTGKLHQ EVNLVVMRAT QLQKNLTCEV WGPTSPKML
SLKLENKEAK VSKREKAVVW LNPEAGMWQC LLSDSGQVLL ESNIKVLPTW STPVQP.