

32-6535: CD4 (26-396) Human, Sf9

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

Description

Source: Sf9, Insect cells.

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 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 377 amino acids (26-396a.a.) and having a molecular mass of 42.1kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CD4 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : CD4 a protein solution (0.25mg/ml) contains phosphate buffered saline (pH7.4) 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 : KKVVLGKKGD TVELTCTASQ KKSIFHWKN SNQIKILGNQ GSFLTSGPSK LNDRADSRRS LWDQGNFPLI IKNLKIEDSD TYICEVEDQK EEVQLLVFGL TANS DTHLLQ GQSLTLTLES PPGSSPSVQC RSPRGKNIQG GKTLVSQSLE LQDSGTWTCT VLQNQKKVEF KIDIVVLAQ KASSIVYKKE GEQVEFSFPL AFTVEKLTGS GELWWQAERA SSSKSWITFD LKNKEVSVKR VTQDPKLQMG KKLPLHLTLP QALPQYAGSG NLTLALEAKT GKLHQEVNVLV VMRATQLQKN LTCEVWGPTS PKMLSLKLE NKEAKVSKRE KAVWVLNPEA GMWQCLLSDS GQVLLESNIK VLPTWSTPVQ PHHHHHH.