

sCD4 Human

Description:sCD4 Human Recombinant produced in Baculovirus is a single, glycosylated polypeptide chain containing 365 amino acids and having a non glycosylated molecular mass of 45 kDa. 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.

Catalog #:CYPs-311

For research use only.

Synonyms:gp55, HLA-2, L3 / T4, Ly-4, T cell antigen T4/LEU3, T4, sCD4, CD4mut.

Source:Baculovirus.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:KKVVL GKKGDTVELT CTASQKKSIQ FHWKNSNQIK ILGNQGSFLT
KGPSKLNDRD DSRRLWDQG NFPLIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS
THLLQGQSLT LTLEPPGSS PSVQCRSPRG KNIQGGKTLVSQLELQDSG TWTCTVLQNQ
KKVEFKIDIV VLAFAQASSI VYKKEGEQVE FSFPLAFTVE KLTGSGELWWQAERASSSKS
WITFDLKN

Purity:Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:

The solution contains 10mM NaPO₄ buffer pH-7.0 and 300mM NaCl.

Stability:

sCD4 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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