



CD4, amino acids 203-317, His Tag, human recombinant (rHuCD4/203-317-His)

Catalog No: 94934
Lot No: XXXXX
Source: *E. coli*
Synonyms: gp55, HLA-2, L3 / T4, Ly-4, T cell antigen T4/LEU3, T4, sCD4

Background

CD4, a single chain transmembrane glycoprotein, is found on a T cell subset (helper/inducer) representing 45% of peripheral blood lymphocytes. It is also present on 80% of thymocytes and at a lower level on monocytes. It is involved in recognition of antigen presented along with MHC class II by APCs. It serves as receptor for HIV. Antibody to CD4 recognizes T-helper cells required for recognition of class II antigens. It reacts with ~60% of peripheral blood E rosette-positive (E+) cells while showing negligible reactivity with E- cells, monocytes, granulocytes, EBV-transformed B cell lines, and mouse splenocytes.

Description

CD-4 human recombinant His Tag protein encoding 203-317 amino acids.

Physical Appearance

Sterile lyophilized powder.

Formulation

Each mg contains 1X PBS, 0.1% SDS and 1 mM DTT.

Solubility

It is recommended to reconstitute the lyophilized CD-4 (203-317) in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please avoid freeze-thaw cycles.

Applications

Protein Assays*Antibody Production*WB

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.