

CD4 Human (203-317)

Description: CD-4 Human Recombinant His Tag protein encoding 203-317 amino acids.

Catalog #: CYPs-323

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

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile lyophilized powder.

Formulation:

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

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.

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.

Applications:

Protein Assay. Antibody Production. Western Blotting.

Solubility:

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

Introduction:

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.

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