
Product Data Sheet

Product Name: CD4 Human (125-202)

Cat. No.: GP20868

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.

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

Solubility It is recommended to reconstitute the lyophilized CD-4 (125-202) in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Formulation Each mg contains 1X PBS.

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.

Stability

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

Background

CD-4 Human Recombinant is fused with a 4kDa His Tag and encoding amino acids 125-202, having a total molecular weight of 19 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA