
Product Data Sheet

Product Name: CD4 Human (26-226)

Cat. No.: GP20867

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	gp55; HLA-2; L3 / T4; Ly-4; T cell antigen T4/LEU3; T4; sCD4.		
Formulation	Recombinant Human protein at 100µg/ml in 50mM Tris-HCl, (pH-7.5) and 10mM L-glutathione.		

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 encoding amino acids 26-226, shows a 48kDa band on SDS-PAGE. CD4 is fused to a GST tag at N-terminus and purified by standard chromatography techniques.

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

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