



## Product Datasheet

<b>Product Name</b>	CD-4 (125-202 a.a.) Human Recombinant
<b>Cata No</b>	CB500217
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	gp55, HLA-2, L3 / T4, Ly-4, T cell antigen T4/LEU3, T4, sCD4.

### Description

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.

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.

### Physical Appearance

Sterile lyophilized powder.

### Purity

Greater than 90% as determined by SDS-PAGE.

### Formulation

Each mg contains 1X PBS.

### 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 Assay
- Antibody Production
- Western Blotting