



## CD4 FITC Antibody

### Synonyms:

gp55, HLA-2, L3 / T4, Ly-4, T cell antigen T4/LEU3, T4, sCD4, CD4mut.

### Type:

Mouse Anti Human Monoclonal.

### Introduction:

CD4 is a cell-surface glycoprotein found on the mature helper T cells and immature thymocytes, as well as on monocytes and macrophages. (Some cytotoxic T cells have CD4 protein as well.) Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with either have CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.

### Clone:

hCD4.

### Immunogen:

Purified human PBL CD4+ T cells.

### Ig Subclass:

Mouse IgG2b.

### Purification Method:

Ion exchange column.

### Protein concentration:

1mg/ml in PBS (after reconstitution).

### Storage Procedures:

Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

**Reconstitution:**

Reconstitute with of H<sub>2</sub>O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

**Stability / Shelf Life:**

Two years lyophilized, one month in solution at 4°C.

**Antibody Properties:**

Blocking and staining antibody. Blocks binding of HIV to CD4. For staining, use 10 ml/10<sup>6</sup> cells. Titer for blocking T cell activation should be determined by the investigator.

**Available Conjugates:**

This antibody is also available conjugated to biotin.

**Usage:**

Prospec'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.

---

**Prospec - Contact details**

Email	info@prospecbio.com
Address	
Website	<a href="http://www.prospecbio.com">http://www.prospecbio.com</a>