

## AF/LE Purified Anti-Human CD4 Antibody[OKT-4]

catalog number: E-AB-F12310

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

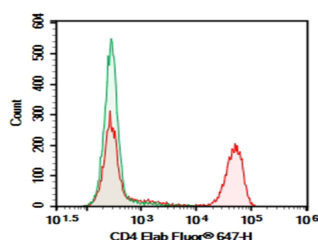
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human CD4 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b, $\kappa$
<b>Clone</b>	OKT-4
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

### Applications

### Recommended Dilution

<b>FCM</b>	2 $\mu$ g/mL( $0.5 \times 10^6$ - $1 \times 10^6$ cells)
------------	--

### Data



Human peripheral blood lymphocytes cell were stained with 0.2  $\mu$ g AF/LE Purified Anti-Human CD4 Antibody[OKT-4] (Right) and 0.2  $\mu$ g Mouse IgG2b,  $\kappa$  Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
<b>Shipping</b>	Ice bag

### Background

CD4 is an approximately 55 kDa type I membrane glycoprotein that is expressed predominantly on most thymocytes and a subset of mature T lymphocytes. In humans, CD4 is also expressed to a lesser extent on monocytes and macrophage related cells. Human CD4 cDNA encodes a 458 amino acid (aa) residue precursor protein with a 25 aa residue signal peptide, a 371 aa residue extracellular region containing four immunoglobulin homology domains, a 24 aa residue transmembrane domain and a 38 aa residue cytoplasmic domain.

### For Research Use Only