

**AM32703FC-N****Monoclonal Antibody to CD4 - FITC****Alternate names:**

T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4

**Quantity:**

0.1 mg

**Concentration:**

0.5 mg/ml

**Background:**

CD4 (cluster of differentiation 4) is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. It is a member of the immunoglobulin superfamily. On T cells, it is the co-receptor for the T cell receptor (TCR) and amplifies the signal generated by the TCR by recruiting the tyrosine kinase lck that is essential for activating many molecules involved in the signaling cascade of an activated T cell. It is an important component of the immune system and is also the cellular receptor for HIV-1. It consists of a cytoplasmic tail, one transmembrane region, and four extracellular domains, D1-D4.

**Uniprot ID:**[P06332](#)**NCBI:**[NP\\_038516.1](#)**GeneID:**[12504](#)**Host / Isotype:**

Rat / IgG2b

**Clone:**

GK1.5

**Format:****State:** Liquid purified IgG fraction**Purification:** Protein G Chromatography**Buffer System:** PBS, pH 7.4**Preservatives:** 0.05% Sodium Azide**Label:** FITC – Fluorescein**Applications:****Flow Cytometry (Cell Surface):** 0.031-1.0  $\mu\text{g}/10^6$  cells.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:**

52 kDa

**Specificity:**

Recognizes Mouse CD4. Other species not tested.

**Storage:**

Store undiluted at 2-8°C.

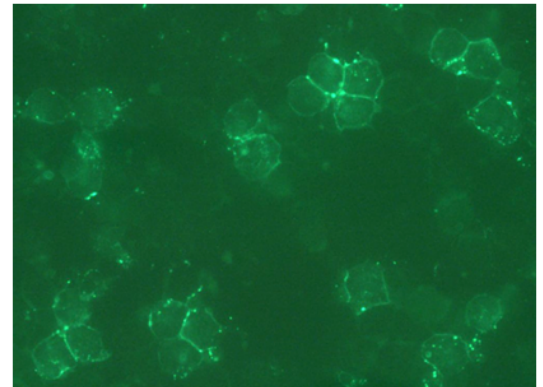
**DO NOT FREEZE!**

This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

**Pictures:**

BALB/c mouse splenocytes were stained with  $0.031 \mu\text{g} / 10^6$  cells FITC conjugated anti-Mouse CD4 Antibody Cat.-No AM32703FC-N (Clone GK1.5) and cytocentrifuged onto a glass slide prior to imaging by fluorescence microscopy (original magnification 100x)



BALB/c Mouse splenocytes were stained with a  $0.031 \mu\text{g}/10^6$  cells FITC conjugated anti-Mouse CD4 Antibody Cat.-No AM32703FC-N (Clone GK1.5) (purple) or Negative Control (green).

