

Cd4 monoclonal antibody, clone GK1.5 (APC)

Catalog # MAB5128

Size 100 ug

Specification

Product Description	Rat monoclonal antibody raised against native Cd4.
Immunogen	Mouse CTL clone V4 cells.
Host	Rat
Theoretical MW (kDa)	55
Reactivity	Mouse
Specificity	This antibody reacts with an extracellular epitope of mouse CD4 transmembrane glycoprotein (55 K Da).
Form	Liquid
Conjugation	APC
Concentration	0.1 mg/mL
Isotype	IgG2b
Recommend Usage	Flow Cytometry (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — Cd4

Entrez GeneID	12504
Gene Name	Cd4
Gene Alias	L3T4, Ly-4
Gene Description	CD4 antigen
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000027399 T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Le u-3) (T-cell differentiation antigen L3T4)

Publication Reference

- [Long-term cardiac allograft survival across an MHC mismatch after "pruning" of alloreactive CD4 T cells.](#)

Hu M, Watson D, Zhang GY, Graf N, Wang YM, Sartor M, Howden B, Fletcher J, Alexander SI.
Journal of Immunology 2008 May; 180(10):6593.
- [Depleting anti-CD4 monoclonal antibody \(GK1.5\) treatment: influence on regulatory CD4+CD25+Foxp3+ T cells in mice.](#)

Yi H, Zhen Y, Zeng C, Zhang L, Zhao Y.
Transplantation 2008 Apr; 85(8):1167.

Application: Flow Cyt, Func, Mouse, Mouse T cells
- [Alloreactive T cells respond specifically to multiple distinct peptide-MHC complexes.](#)

Felix NJ, Donermeyer DL, Horvath S, Walters JJ, Gross ML, Suri A, Allen PM.
Nature Immunology 2007 Apr; 8(4):388.

Application: Func, Mouse, EK35 cells
- [T helper cells in murine germinal centers are antigen-specific emigrants that downregulate Thy-1.](#)

Zheng B, Han S, Kelsoe G.
The Journal of Experimental Medicine 1996 Sep; 184(3):1083.

Application: Flow Cyt, Mouse, Mouse T cells

- [Depletion of murine CD4+ T lymphocytes prevents antigen-induced airway hyperreactivity and pulmonary eosinophilia.](#)

Gavett SH, Chen X, Finkelman F, Wills-Karp M.

American Journal of Respiratory Cell and Molecular Biology 1994 Jun; 10(6):587.

Application: Flow Cyt, Mouse, Mouse T cells