

Datasheet

Cd4 monoclonal antibody, clone GK1.5 (PE)

Catalog Number: MAB5127

Regulatory Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against native Cd4.

Clone Name: GK1.5

Immunogen: Mouse CTL clone V4 cells.

Host: Rat

Theoretical MW (kDa): 55

Reactivity: Mouse

Applications: Flow Cyt

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with an extracellular epitope of mouse CD4 transmembrane glycoprotein (55 KDa).

Form: Liquid

Conjugation: PE

Concentration: 0.5 mg/mL

Isotype: IgG2b

Recommend Usage: Flow Cytometry (3 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.

Entrez GeneID: 12504

Gene Symbol: Cd4

Gene Alias: L3T4, Ly-4

References:

1. 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. *J Immunol.* 2008 May 15;180(10):6593-603.
2. 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 27;85(8):1167-74.
3. 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. *Nat Immunol.* 2007 Apr;8(4):388-97. Epub 2007 Feb 25.