

## CD4 antibody [GK1.5] (FITC)

Cat. No. GTX80145

Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Application	FACS
Reactivity	Mouse, Golden Syrian Hamster

Reference ( 19 )  
Package  
100 µg

## PRODUCT

## Summary

The GK1.5 antibody reacts with mouse CD4, a 55 kDa protein which acts as a co-receptor for the T cell receptor (TCR) in its interaction with MHC Class II molecules on antigen-presenting cells. The extracellular domain of CD4 binds to the beta-2 domain of MHC Class II, while its cytoplasmic tail provides a binding site for the tyrosine kinase lck, facilitating the signaling cascade that initiates T cell activation. CD4 is typically expressed on thymocytes, certain mature T cell populations such as Th17 and T regulatory (Treg) cells, as well as on dendritic cells.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FACS	Assay dependent

Not tested in other applications.

**Calculated MW** 51 kDa. ( [Note](#) )

**Product Note** This antibody reacts with an extracellular epitope of mouse CD4 transmembrane glycoprotein (55 kDa).

## PROPERTIES

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Mouse CTL clone V4 cells
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Fluorescein isothiocyanate (FITC)

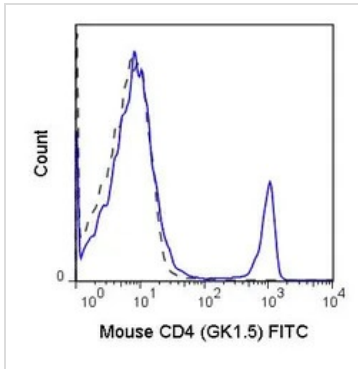


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**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTX80145 FACS Image**

FACS analysis of C57Bl/6 splenocytes using GTX80145 CD4 antibody [GK1.5] (FITC).

Solid line : Primary antibody

Dashed line : FITC rat IgG2a isotype control

Antibody amount : 0.25  $\mu$ g



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