

CD4 antibody [GK1.5] (FITC)

Cat. No. GTX80145

Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Applications	FCM
Reactivity	Mouse, Golden Syrian Hamster

References (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.

Applications

Application Note

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

Suggested dilution	Recommended dilution
FCM	Assay dependent

Not tested in other applications.

Product Note

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

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 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) Wavelength



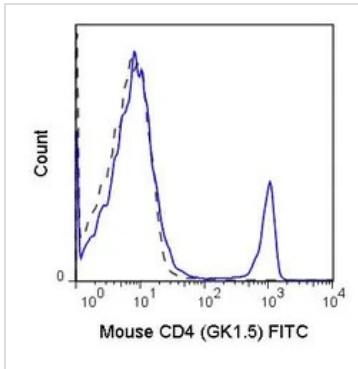
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Note

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 FCM 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 µg



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