

For Research Use Only

PE Anti-Mouse CD4 (GK1.5)

Catalog Number: PE-65104 4 Publications



Basic Information

Catalog Number: PE-65104	GenBank Accession Number: BC039137	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 12504	CloneNo.: GK1.5
Source: Rat	Full Name: CD4 antigen	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2b, kappa		

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
mouse

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

Notable Publications

Author	Pubmed ID	Journal	Application
Yongzhen Zhao	35714529	Vet Microbiol	FC
Ting Liang	37743226	Adv Sci (Weinh)	FC
Zhuo Cheng	37544392	Acta Biomater	FC

Storage

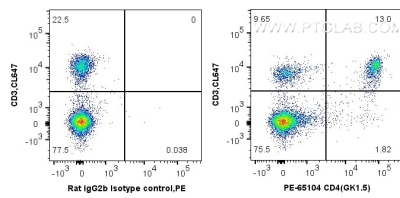
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 and 0.2 ug PE Anti-Mouse CD4 (PE-65104, Clone:GK1.5) or 0.2 ug Isotype Control. Cells were not fixed.