For Research Use Only

PerCP Anti-Mouse CD4 (GK1.5)

Catalog Number:CP-65104 1 Publications

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Basic Information

Catalog Number:
CP-65104

Concentration:
100ug, 200 ug/ml

Source:
Rat

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC039137

GeneID (NCBI):
12504

UNIPROT ID:
P06332

Full Name:
CD4 antigen

Purification Method:
Affinity purification

CloneNo.:
GK1.5

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
482 nm / 677 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

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
Ian Eder	42327017	bioRxiv	

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:
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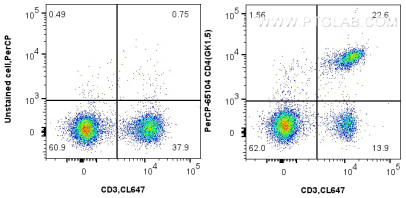
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.25 ug PerCP Anti-Mouse CD4 (GK1.5) (CP-65104, Clone: GK1.5) or unstained. Cells were then stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.