

For Research Use Only

# PE Anti-Mouse CD4 (GK1.5) Rat Recombinant Antibody

Catalog Number: PE-65662 **1 Publications**



## Basic Information

Catalog Number:

PE-65662

Size:

100ug, 200 ug/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC039137

GeneID (NCBI):

12504

UNIPROT ID:

P06332

Full Name:

CD4 antigen

Purification Method:

Protein G purification

CloneNo.:

GK1.5

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 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
Dan Yang	40774228	Colloids Surf B Biointerfaces	

## 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

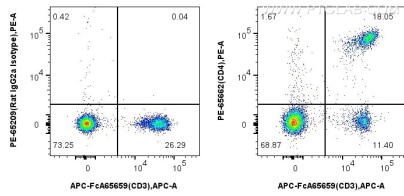
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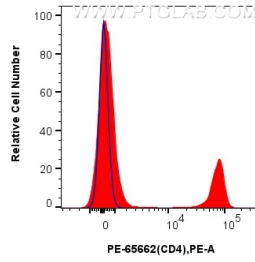
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug FcZero-rAb™ APC Anti-Mouse CD3 (17A2), and 0.1 ug PE Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (PE-65662, Clone: GK1.5) or PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (PE-65662, Clone: GK1.5) (red) or PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.