

For Research Use Only

# PerCP-Cyanine5.5 Anti-Mouse CD4 (GK1.5) Rat IgG2a Recombinant Antibody

Catalog Number: CPY5-65662



## Basic Information

<b>Catalog Number:</b> CPY5-65662	<b>GenBank Accession Number:</b> BC039137	<b>Purification Method:</b> Protein G purification
<b>Concentration:</b> 100ug, 200 ug/ml	<b>GeneID (NCBI):</b> 12504	<b>CloneNo.:</b> GK1.5
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P06332	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG2a	<b>Full Name:</b> CD4 antigen	<b>Excitation/Emission maxima wavelengths:</b> 482 nm / 690nm

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse splenocytes,
<b>Species Specificity:</b> 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).

## 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:

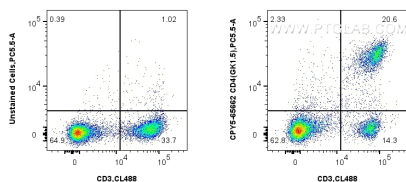
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

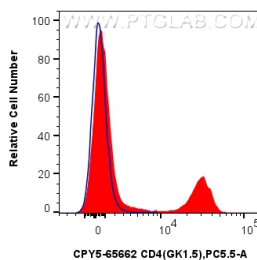
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3, and 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (CPY5-65662, Clone: GK1.5) or unstained. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (CPY5-65662, Clone: GK1.5) (red) or unstained (blue). Cells were not fixed.