

For Research Use Only

# APC Anti-Mouse CD4 (GK1.5)

Catalog Number: APC-65104 **3 Publications**



## Basic Information

<b>Catalog Number:</b> APC-65104	<b>GenBank Accession Number:</b> BC039137	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 12504	<b>CloneNo.:</b> GK1.5
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P06332	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<b>Isotype:</b> IgG2b, kappa	<b>Full Name:</b> CD4 antigen	

## 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
Li Wu	35344716	Phytomedicine	FC
Xudong Fan	36382303	Asian J Pharm Sci	FC
Mengyun Peng	38228273	J Control Release	FC

## Storage

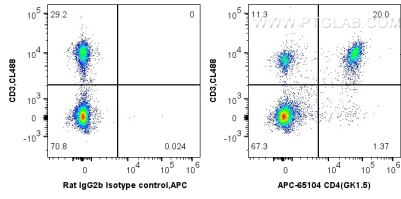
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

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## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 and 0.2  $\mu$ g APC Anti-Mouse CD4 (APC-65104, Clone: GK1.5) or 0.2  $\mu$ g Isotype Control. Cells were not fixed.