

For Research Use Only

# FcZero-rAb® CoraLite® Plus 405 Anti-Rat CD4 Rabbit Recombinant Antibody

Catalog Number:CL405-FcA98252



## Basic Information

<b>Catalog Number:</b> CL405-FcA98252	<b>GenBank Accession Number:</b> NM_012705.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 24932	<b>CloneNo.:</b> 241955C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05540	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> Cd4 molecule	<b>Excitation/Emission maxima wavelengths:</b> 399 nm / 422 nm
<b>Immunogen Catalog Number:</b> EG2025	<b>Calculated MW:</b> 51 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : rat splenocytes,
<b>Species Specificity:</b> rat	

## 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, pH7.3

For technical support and original validation data for this product please contact:

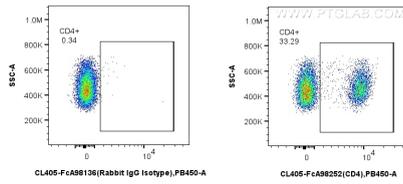
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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Rat CD4 Rabbit RecAb (CL405-FcA98252, Clone: 241955C11) or CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-FcA98136, Clone: 240953C9). Cells were not fixed.