

For Research Use Only

# FcZero-rAb™ APC-Cyanine7 Anti-Human CD4 (OKT4) Rabbit IgG Recombinant Antibody

Catalog Number: AY7-FcA65603



## Basic Information

Catalog Number:	AY7-FcA65603	GenBank Accession Number:	BC025782	Purification Method:	Protein A purification
Size:	100 tests, 5 µl/test	GeneID (NCBI):	920	Clone No.:	OKT4
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000010610	Recommended Dilutions:	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	IgG	UNIPROT ID:	P01730	Excitation/Emission maxima wavelengths:	650 nm / 778 nm
		Full Name:	CD4 molecule		
		Calculated MW:	55 kDa		

## Applications

Tested Applications:	Positive Controls:
FC	FC: human PBMCs,

### Species Specificity:

human

## 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.

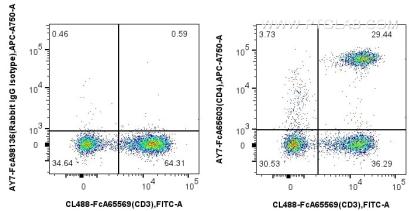
### Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

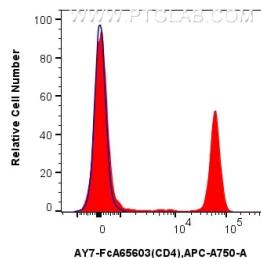
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD3 (OKT3), and 5  $\mu$ l APC-Cyanine7 Anti-Human CD4 (OKT4) Rabbit IgG RecAb (AY7-FcA65603, Clone:OKT4) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5  $\mu$ l APC-Cyanine7 Anti-Human CD4 (OKT4) Rabbit IgG RecAb (AY7-FcA65603, Clone:OKT4) (red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.