

For Research Use Only

# FcZero-rAb™ APC-Cyanine7 Anti-Human CD3 Rabbit Recombinant Antibody

Catalog Number:AY7-FcA98319-2



## Basic Information

Catalog Number:	AY7-FcA98319-2	GenBank Accession Number:	Purification Method:
Size:	100tests, 5 ul/test	GenID (NCBI):	Protein A purification
Source:	Rabbit	ENSEMBL Gene ID:	CloneNo.:
Isotype:	IgG	Full Name:	SP34
		CD3e molecule, epsilon (CD3-TCR complex)	Recommended Dilutions:
		Calculated MW:	FC: 5 $\mu$ l per $10^6$ cells in a 100 $\mu$ l suspension
		207 aa, 23 kDa	Excitation/Emission maxima wavelengths:
			650 nm / 778 nm

## Applications

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

Species Specificity:  
human, monkey, non-human primates

## Background Information

CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 $\gamma$ ,  $\delta$ ,  $\epsilon$ , and  $\zeta$  chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657).

## Storage

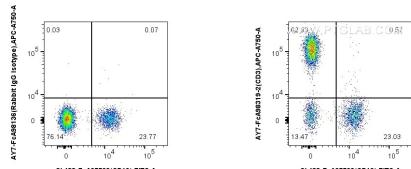
Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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)

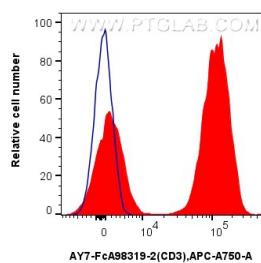
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with FcZero-rAb™ CoralLite® Plus 488 Anti-Human CD19 and 5  $\mu$ l APC-Cyanine7 Anti-Human CD3 Rabbit RecAb (AY7-FcA98319-2, Clone:SP34), or 5  $\mu$ l FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l APC-Cyanine7 Anti-Human CD3 Rabbit RecAb (AY7-FcA98319-2, Clone:SP34) (red), or 5  $\mu$ l FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.