

For Research Use Only

FcZero-rAb™ PerCP-Cyanine5.5 Anti-Human CD3 Rabbit Recombinant Antibody

Catalog Number:CPY5-FcA98319-2



Basic Information

Catalog Number:	CPY5-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 ul per 10^6 cells in a 100 μ l suspension
		207 aa, 23 kDa	Excitation/Emission maxima wavelengths:
			482 nm / 690nm

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 γ , δ , ϵ , and ζ 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

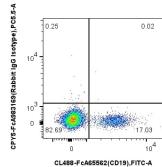
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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)

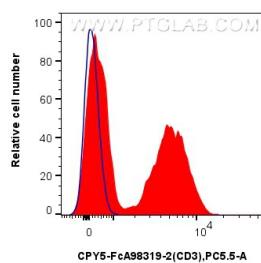
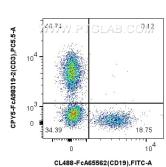
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1×10^6 human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19 and 5 ul PerCP-Cyanine5.5 Anti-Human CD3 Rabbit RecAb (CPY5-FcA98319-2, Clone:SP34), or 5 ul FcZero-rAb™ PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9). Cells were not fixed.



1×10^6 human PBMCs were surface stained with 5 ul PerCP-Cyanine5.5 Anti-Human CD3 Rabbit RecAb (CPY5-FcA98319-2, Clone:SP34) (red), or 5 ul FcZero-rAb™ PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.