

For Research Use Only

FcZero-rAb™ PE-Cyanine7 Anti-Human CD3 Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98319-2



Basic Information

Catalog Number:	PY7-FcA98319-2	GenBank Accession Number:	BC049847	Purification Method:	Protein A purification
Size:	100 tests, 5 µl/test	GeneID (NCBI):	916	Clone No.:	SP34
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000198851	Recommended Dilutions:	FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	Full Name:	CD3e molecule, epsilon (CD3-TCR complex)	Excitation/Emission maxima wavelengths:	496 nm, 565 nm / 778 nm
		Calculated MW:	207 aa, 23 kDa		

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).

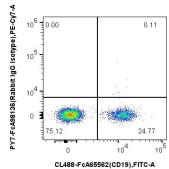
Storage

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

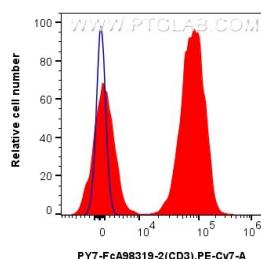
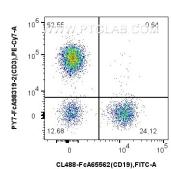
For technical support and original validation data for this product please contact:
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in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



1×10^6 human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19 and 5 μ l PE-Cyanine7 Anti-Human CD3 Rabbit RecAb (PY7-FcA98319-2, Clone:SP34), or 5 μ l FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1×10^6 human PBMCs were surface stained with 5 μ l PE-Cyanine7 Anti-Human CD3 Rabbit RecAb (PY7-FcA98319-2, Clone:SP34) (red), or 5 μ l FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.