

For Research Use Only

FcZero-rAb™ APC-Cyanine7 Anti-Human ICOS/CD278 Rabbit Recombinant Antibody

Catalog Number: AY7-FcA98214



Basic Information

Catalog Number:	AY7-FcA98214	GenBank Accession Number:	BC028210	Purification Method:
Size:	100 tests, 5 µl/test	GenID (NCBI):	29851	Protein A purification
Source:	Rabbit	UNIPROT ID:	Q9Y6W8	Clone No.:
Isotype:	IgG	Full Name:	inducible T-cell co-stimulator	241770G11
Immunogen Catalog Number:	EG1642	Calculated MW:	199 aa, 23 kDa	Recommended Dilutions:
				FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
				Excitation/Emission maxima wavelengths:
				650 nm / 778 nm

Applications

Tested Applications:	Positive Controls:
FC	FC : PHA treated human PBMCs,
Species Specificity:	
human	

Background Information

Inducible T cell co-stimulator (ICOS) is related to the CD28 superfamily and is highly expressed on activated T cells as well as regulatory T cells and is crucial for the survival and function of T cells, Th2 cell differentiation, and lung inflammatory responses. Binding ICOS to ICOS-ligand (ICOS-L) activates a cascade of intracellular signaling molecules that prevent apoptosis and lead to the production of cytokines such as IL-4 and IL-13.

Storage

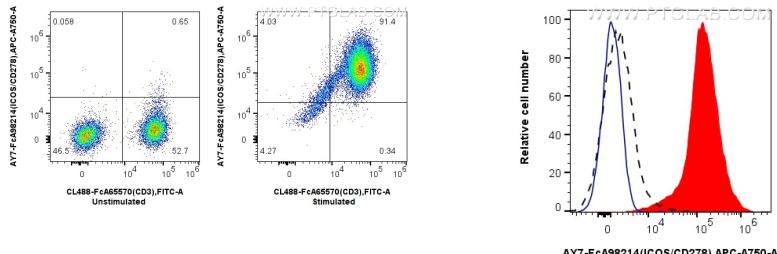
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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)

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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 untreated or PHA treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 (UCHT1) and 5 μ l APC-Cyanine7 Anti-Human ICOS/CD278 Rabbit RecAb (AY7-FcA98214, Clone: 241770G11). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

1×10^6 PHA-treated human PBMCs were surface stained with 5 μ l APC-Cyanine7 Anti-Human ICOS/CD278 Rabbit RecAb (AY7-FcA98214, Clone: 241770G11) (red) or Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9) (blue). 1×10^6 untreated human PBMCs were surface stained with 5 μ l APC-Cyanine7 Anti-Human ICOS/CD278 Rabbit RecAb (AY7-FcA98214, Clone: 241770G11) (black, dashed). Cells were not fixed.