

For Research Use Only



FcZero-rAb® Biotin Anti-Human ICOS/CD278 Rabbit Recombinant Antibody

Catalog Number: **Biotin-FcA98214**

Basic Information

Catalog Number: Biotin-FcA98214	GenBank Accession Number: BC028210	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 29851	CloneNo.: 241770G11
Source: Rabbit	UNIPROT ID: Q9Y6W8	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: inducible T-cell co-stimulator	
Immunogen Catalog Number: EG1642	Calculated MW: 199 aa, 23 kDa	

Applications

Tested Applications: FC	Positive Controls: 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, pH7.3

For technical support and original validation data for this product please contact:

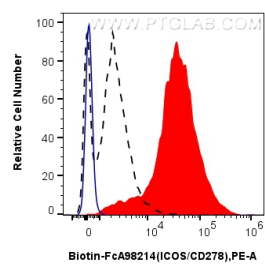
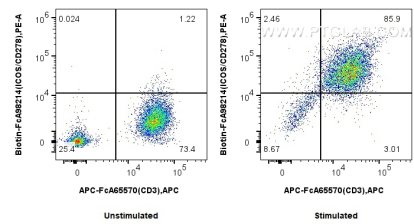
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human ICOS/CD278 Rabbit RecAb (Biotin-FcA98214, Clone:241770G11) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Human CD3 (UCHT1) Rabbit Recombinant Antibody (APC-FcA65570, Clone: UCHT1). Cells were

1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human ICOS/CD278 Rabbit RecAb (Biotin-FcA98214, Clone:241770G11) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue) and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.