

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: |
| Concentration: | 100tests, 5 μ l/test | GenID (NCBI): | 29851 | Protein A purification |
| Source: | Rabbit | UNIPROT ID: | Q9Y6W8 | CloneNo.: |
| Isotype: | IgG | Full Name: | inducible T-cell co-stimulator | 241770G11 |
| Immunogen Catalog Number: | EG1642 | Calculated MW: | 199 aa, 23 kDa | Recommended Dilutions: |
| | | | | FC: 5 μ l per 10^6 cells in a 100 μ l suspension |
| | | | | Excitation/Emission maxima wavelengths: |
| | | | | 650 nm / 778 nm |

Applications

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

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:

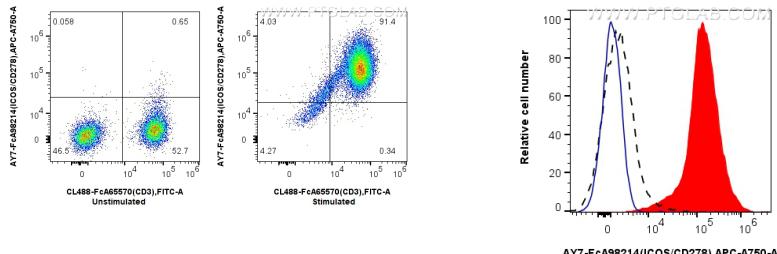
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.