

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

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1642

GenBank Accession Number:

BC028210

GeneID (NCBI):

29851

UNIPROT ID:

Q9Y6W8

Full Name:

inducible T-cell co-stimulator

Calculated MW:

199 aa, 23 kDa

Purification Method:

Protein A purification

CloneNo.:

241770G11

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 778 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

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:

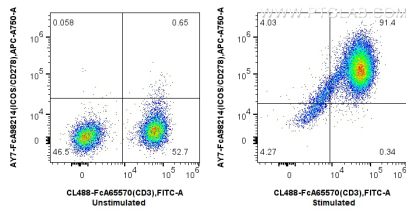
T: 4006900926

E: Proteintech-CN@ptglab.com

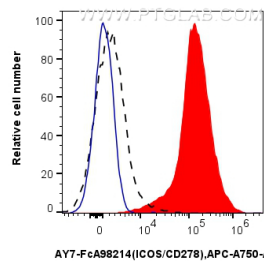
W: ptgcn.com

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 CoraLite® Plus 488 Anti-Human CD3 (UCHT1) and 5 ul 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.



1x10⁶ PHA-treated human PBMCs were surface stained with 5 ul APC-Cyanine7 Anti-Human ICOS/CD278 Rabbit RecAb (AY7-FcA98214, Clone: 241770G11) (red) or Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul APC-Cyanine7 Anti-Human ICOS/CD278 Rabbit RecAb (AY7-FcA98214, Clone: 241770G11) (black, dashed). Cells were not fixed.