

For Research Use Only

CoraLite® Plus 488 Anti-Human ICOS/CD278 Rabbit scFv Antibody

Catalog Number: CL488-SF98214



Basic Information

Catalog Number:

CL488-SF98214

Size:

100ug, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG1642

GenBank Accession Number:

BC028210

GeneID (NCBI):

29851

Full Name:

inducible T-cell co-stimulator

Calculated MW:

199 aa, 23 kDa

Purification Method:

Affinity purification

CloneNo.:

241770G11

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 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:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

*** 20ul sizes contain 0.1% BSA

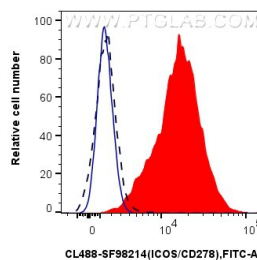
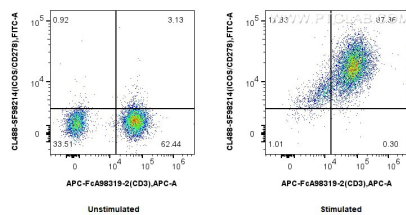
For technical support and original validation data for this product please contact:

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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 FcZero-rAb® APC Anti-Human CD3 and 0.25 ug CoraLite® Plus 488 Anti-Human ICOS/CD278 Rabbit scFv Antibody (CL488-SF98214, Clone: 241770G11). Cells were not fixed.

1x10⁶ PHA treated human PBMCs were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Human ICOS/CD278 Rabbit scFv Antibody (CL488-SF98214, Clone: 241770G11) (red) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Human ICOS/CD278 Rabbit scFv Antibody (CL488-SF98214, Clone:

