

For Research Use Only

# CoraLite®594 Anti-Human ICOS/CD278 Rabbit Recombinant Antibody

Catalog Number:CL594-98214



## Basic Information

Catalog Number:

CL594-98214

Size:

100tests , 5 ul/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 ul per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 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, pH7.3

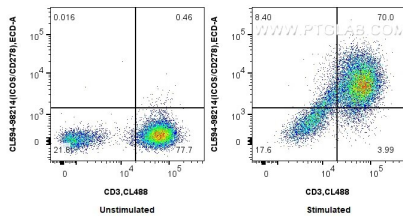
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

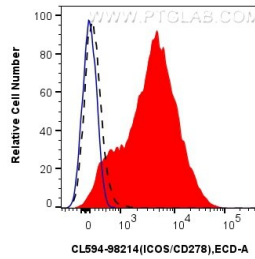
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1x10<sup>6</sup> untreated or PHA-treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 and 5 ul CoraLite® 594 Anti-Human ICOS/CD278 Rabbit RecAb (CL594-98214, Clone: 241770G11). Cells were not fixed.



1x10<sup>6</sup> PHA treated human PBMCs were surface stained with 5 ul CoraLite® 594 Anti-Human ICOS/CD278 Rabbit RecAb (CL594-98214, Clone: 241770G11) (red) or CoraLite® 594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul CoraLite® 594 Anti-Human ICOS/CD278 Rabbit RecAb (CL594-98214, Clone: 241770G11) (black, dashed). Cells were not fixed.