

For Research Use Only

# CoraLite® Plus 647 Anti-Human ICOS/CD278 Rabbit Recombinant Antibody

Catalog Number: CL647-98214



## Basic Information

<b>Catalog Number:</b> CL647-98214	<b>GenBank Accession Number:</b> BC028210	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100tests, 5 ul/test	<b>GeneID (NCBI):</b> 29851	<b>CloneNo.:</b> 241770G11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y6W8	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> inducible T-cell co-stimulator	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> EG1642	<b>Calculated MW:</b> 199 aa, 23 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : PHA treated human PBMCs,
<b>Species Specificity:</b> 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:

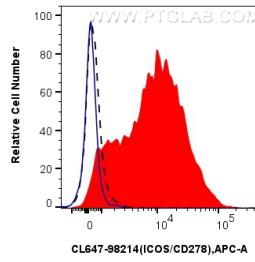
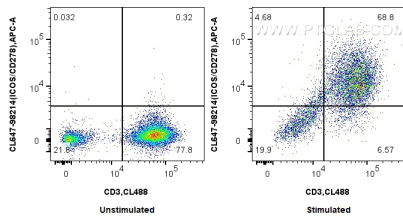
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## Selected Validation Data



1x10<sup>6</sup> untreated or PHA-treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 and 5 ul CoraLite® Plus 647 Anti-Human ICOS/CD278 Rabbit RecAb (CL647-98214, Clone: 241770G11). Cells were not fixed.

1x10<sup>6</sup> PHA treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human ICOS/CD278 Rabbit RecAb (CL647-98214, Clone: 241770G11) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human ICOS/CD278 Rabbit RecAb (CL647-98214, Clone: 241770G11) (black, dashed). Cells were not

