

For Research Use Only

# CoraLite® Plus 647 Anti-Human IL-2 Rabbit Recombinant Antibody

Catalog Number: CL647-98053



## Basic Information

Catalog Number:

CL647-98053

Size:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0828

GenBank Accession Number:

BC070338

GeneID (NCBI):

3558

UNIPROT ID:

P60568

Full Name:

interleukin 2

Calculated MW:

153 aa, 18 kDa

Purification Method:

Protein A purification

CloneNo.:

240416E3

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

Interleukin-2 (IL-2) is a four-helix bundle, type I cytokine that functions as a growth factor for a wide range of leukocytes. In the immune system, IL-2 is essential for immune homeostasis, normal T regulatory cell function, and self-tolerance. It regulates immune cell homeostasis and has been used to treat a range of disorders including cancer and autoimmune disease. IL-2 signals through heterodimerization of the IL-2R $\beta$  and IL-2R $\gamma$  receptor subunits (PMID: 25992858, 24907378, 15034008, 17981641).

## 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

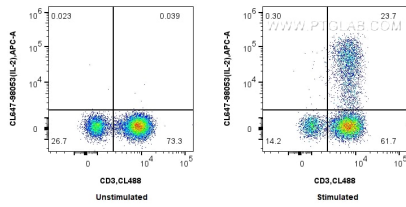
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated human PBMCs were intracellularly stained with 0.25 ug Coralite® Plus 647 Anti-Human IL-2 Rabbit RecAb (CL647-98053, Clone: 240416E3) and FITC Plus Anti-Human CD3 (OKT3) (FITC-65133, Clone: OKT3). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).