For Research Use Only

CoraLite® Plus 405 Anti-Rat IL-2 Rabbit Recombinant Antibody

Catalog Number:CL405-98046

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL405-98046

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0260

GenBank Accession Number:
NM_053836

GeneID (NCBI):
116562

UNIPROT ID:
P17108

Full Name:
interleukin 2

Calculated MW:
18 kDa

Purification Method:
Protein A purification

CloneNo.:
240264C7

Recommended Dilutions:
FC (Intra): 0.25 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
399 nm / 422 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
rat

Positive Controls:

FC (Intra) : PMA and ionomycin treated rat splenocytes,

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-2Rβ and IL-2Rγ receptor subunits (PMID: 25992858, 24907378, 15034008, 17981641).

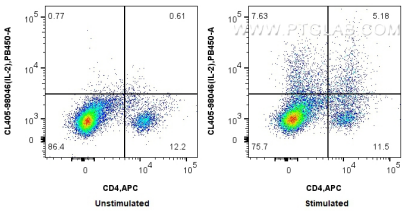
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, 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



1x10^6 untreated or PMA and ionomycin treated rat splenocytes were intracellularly stained with APC Anti-Rat CD4 and 0.25 ug CoraLite® Plus 405 Anti-Rat IL-2 Rabbit Recombinant Antibody (CL405-98046, Clone:240264C7). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.