

For Research Use Only

CoraLite® Plus 647 Anti-Human IL-13 Rabbit Recombinant Antibody

Catalog Number: CL647-98159



Basic Information

Catalog Number:

CL647-98159

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0061

GenBank Accession Number:

AAK53823

GeneID (NCBI):

3596

UNIPROT ID:

P35225

Full Name:

interleukin 13

Purification Method:

Protein A purification

CloneNo.:

241396F3

Recommended Dilutions:

FC (Intra): 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): PMA, Ionomycin and Brefeldin A treated human PBMCs,

Background Information

Interleukin 13 (IL-13) is an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. IL-13 up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. IL-13 inhibits the production of a series of cytokines like IL-1, IL-6, TNF-α, and IL-8 by activated human monocytes. IL-13 induces IFN-γ production by NK cells. IL-13 is thought to be important cytokine in the pathogenesis of asthma, and more recently has been shown to play a pivotal role in a number of fibrotic diseases including hepatic and pulmonary fibrosis, and nodular sclerosing Hodgkin's disease.

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:

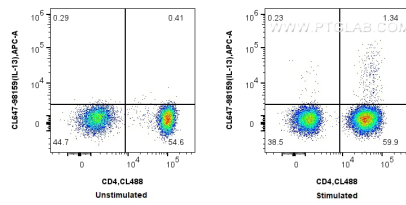
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated human PBMCs were intracellularly stained with CoraLite® Plus 488 Anti-Human CD4 and 5 ul CoraLite® Plus 647 Anti-Human IL-13 Rabbit RecAb (CL647-98159, Clone:241396F3). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).