

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse IL-13 Rabbit Recombinant Antibody

Catalog Number: CL647-98003



## Basic Information

Catalog Number:

CL647-98003

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0266

GenBank Accession Number:

NM\_008355

GeneID (NCBI):

16163

UNIPROT ID:

P20109

Full Name:

interleukin 13

Calculated MW:

14 kDa

Purification Method:

Protein A purification

CloneNo.:

2C14

Recommended Dilutions:

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes,

## 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-alpha, and IL-8 by activated human monocytes. IL-13 induces IFN-gamma production by NK cells. IL-13 is thought to be an 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:

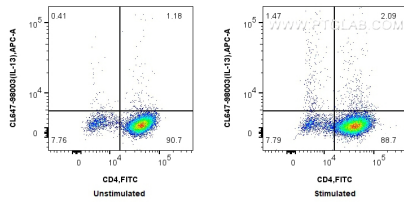
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes were intracellularly stained with FITC Plus Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-13 (2C14) Rabbit RecAb (CL647-98003, Clone:2C14). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).