

For Research Use Only

Anti-Mouse IL-13 Rabbit Recombinant Antibody

Catalog Number: 98003-1-RR



Basic Information

Catalog Number:

98003-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

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

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Mouse

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 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

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

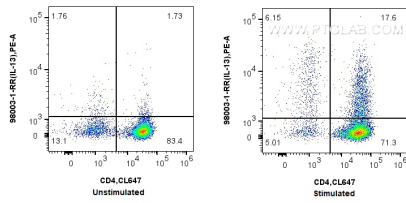
T: 4006900926

E: Proteintech-CN@ptglab.com

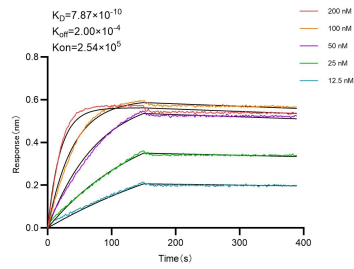
W: ptgcn.com

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Selected Validation Data



1x10⁶ unstimulated or PMA and ionomycin stimulated C57BL/6 Th2-polarized splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IL-13 Rabbit Recombinant Antibody (98003-1-RR, Clone:2C14) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 98003-1-RR against Mouse IL-13 were performed. The affinity constant is 0.787 nM.