

For Research Use Only

Anti-Mouse IL-13 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98003-1-PBS



Basic Information

Catalog Number:

98003-1-PBS

Concentration:

1mg, 2 mg/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 10⁶ cells in

100 μ l suspension

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): PMA and ionomycin stimulated 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 -80°C. Stable for one year after shipment.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

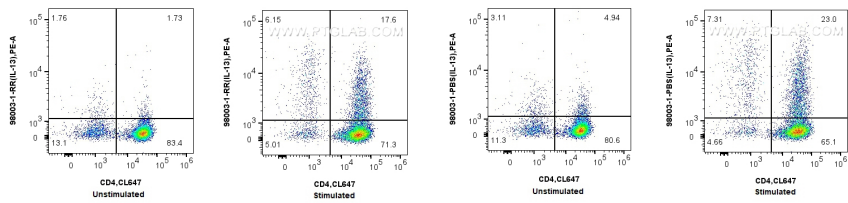
T: 4006900926

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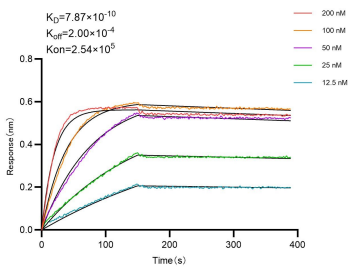
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Selected Validation Data



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 AffiniPure 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. This data was

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, PBS Only (98003-1-PBS, Clone:2C14) and PE conjugated Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody. 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



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