

For Research Use Only

# Anti-Mouse IL-13 Rabbit Recombinant Antibody



Catalog Number: 98003-1-RR

## Basic Information

<b>Catalog Number:</b> 98003-1-RR	<b>GenBank Accession Number:</b> NM_008355	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 16163	<b>CloneNo.:</b> 2C14
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20109	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 13	
	<b>Calculated MW:</b> 14 kDa	

## Applications

**Tested Applications:**  
FC

**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:

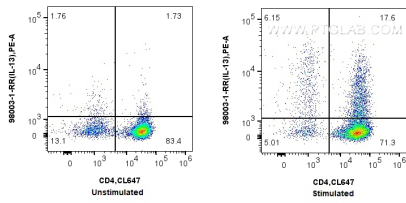
T: 4006900926

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

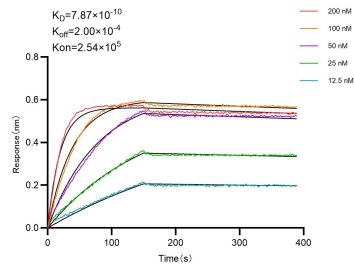
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## Selected Validation Data



1x10<sup>6</sup> 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 (PF00011-C).



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