

For Research Use Only

# Anti-Mouse IL-5 Rabbit Recombinant Antibody

Catalog Number: 98352-1-RR



## Basic Information

Catalog Number:

98352-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_010558

GeneID (NCBI):

16191

UNIPROT ID:

P04401

Full Name:

interleukin 5

Calculated MW:

15 aa

Purification Method:

Protein A purification

CloneNo.:

242075A7

Recommended Dilutions:

FC (Intra): 0.13 ug per 10<sup>6</sup> cells in

100 µL suspension

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): C57BL/6 Th2-polarized splenocytes,

## Background Information

Interleukin-5 (IL-5) is a critical cytokine that regulates the growth, activation, and survival of eosinophils. IL-5 is produced by both hematopoietic and non-hematopoietic cells including T cells, granulocytes, and natural helper cells. IL-5 exerts its effects for proliferation and differentiation via receptors that comprise an IL-5-specific  $\alpha$  and common  $\beta$ -subunit. Overexpression of IL-5 in vivo significantly increases eosinophils and B cells in number, while mice lacking a functional gene for IL-5 or IL-5 receptor display a number of developmental and functional impairments in B cells and eosinophil lineages.

## Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

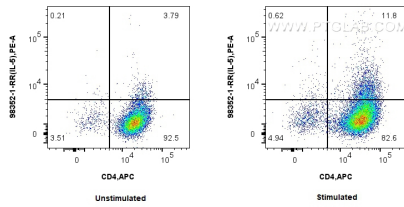
T: 4006900926

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

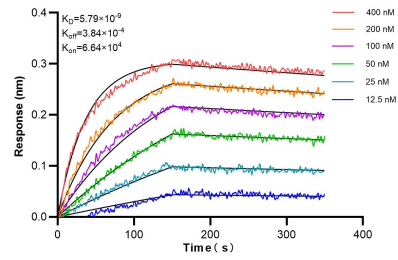
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes were intracellularly stained with 0.125 ug Anti-Mouse IL5 Rabbit RecAb (98352-1-RR, Clone:242075A7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD4 (GK1.5) (APC-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 98352-1-RR against Mouse IL-5 were performed. The affinity constant is 5.79 nM.