

For Research Use Only

# IL-5 Polyclonal antibody

Catalog Number: 30198-1-AP



## Basic Information

**Catalog Number:**

30198-1-AP

**Size:**

150ul , Concentration: 450 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_010558

**GeneID (NCBI):**

16191

**UNIPROT ID:**

P04401

**Full Name:**

interleukin 5

**Calculated MW:**

15 aa

**Observed MW:**

18-20 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

mouse

**Positive Controls:**

WB : PMA, Ionomycin and Brefeldin A treated EL-4 cells,

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

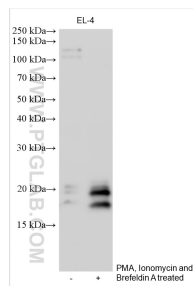
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## Selected Validation Data



Untreated, PMA, Ionomycin and Brefeldin A treated EL-4 cells were subjected to SDS PAGE followed by western blot with 30198-1-AP (IL-5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.