

For Research Use Only

IL-5 Polyclonal antibody

Catalog Number: 30198-1-AP



Basic Information

Catalog Number:

30198-1-AP

Size:

450 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

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 α and common β -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

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

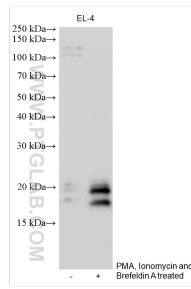
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Selected Validation Data



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.