

For Research Use Only

IL-4 Recombinant antibody

Catalog Number: 84422-5-RR



Basic Information

Catalog Number:

84422-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_201270.1

GeneID (NCBI):

287287

UNIPROT ID:

P20096

Full Name:

interleukin 4

Calculated MW:

16kDa

Purification Method:

Protein A purification

CloneNo.:

241249H7

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

rat

Positive Controls:

WB : Recombinant protein,

Background Information

Interleukin-4 (IL-4) is a pleiotropic cytokine that plays a crucial role in regulating immune responses and mediating type-2 immune reactions. It is primarily produced by T-helper 2 (Th2) cells, mast cells, eosinophils, basophils, and other immune cells. IL-4 exerts its effects by binding to type I and type II receptors, initiating a signaling cascade that involves the phosphorylation of STAT6 and the transcription of IL-4-responsive genes. This pathway is essential for the regulation of immune cell functions and the maintenance of immune homeostasis.

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:

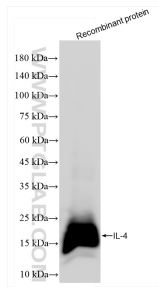
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Rat IL-4 recombinant protein (Cat No. Eg113) was subjected to SDS PAGE followed by western blot with 84422-5-RR (IL-4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.