

For Research Use Only

# IL-5RA Polyclonal antibody

Catalog Number: 12655-1-AP

2 Publications



## Basic Information

Catalog Number:

12655-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3358

GenBank Accession Number:

BC027599

GeneID (NCBI):

3568

UNIPROT ID:

Q01344

Full Name:

interleukin 5 receptor, alpha

Calculated MW:

48 kDa, 38 kDa

Observed MW:

70-75 kDa, 43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : human peripheral blood platelets, Jurkat cells

## Background Information

Interleukin-5 receptor subunit alpha (IL-5RA), also known as CD125, is a type I transmembrane protein that belongs to the type I cytokine receptor family. IL-5RA is a critical component of the high-affinity IL-5 receptor complex, IL-5R $\alpha$ , which consists of the alpha chain (IL-5RA) that specifically binds to IL-5 and the common beta chain (CD131) shared with receptors for IL-3 and GM-CSF (PMID: 1833065; 7872157). IL-5/IL-5RA signaling axis is crucial for the differentiation, proliferation, recruitment, and activation of eosinophils, and is also involved in pathological eosinophilia (PMID: 34638583).

## Notable Publications

Author	Pubmed ID	Journal	Application
Delphine Giusti	31019514	Front Immunol	
Sébastien Conus	20542323	J Allergy Clin Immunol	

## 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:

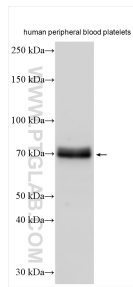
T: 4006900926

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

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 12655-1-AP (IL-5RA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.