

For Research Use Only

# IL-5RA/CD125 Recombinant antibody

Catalog Number: 84948-5-RR



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>84948-5-RR                           | <b>GenBank Accession Number:</b><br>NM_175726.4    | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>3568                      | <b>CloneNo.:</b><br>242234H8                          |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q01344-1                     | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000      |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>interleukin 5 receptor, alpha |   |
|  | <b>Calculated MW:</b><br>48 kDa                    |   |
|  | <b>Observed MW:</b><br>60 kDa                      |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : human peripheral blood platelets, |
| <b>Species Specificity:</b><br>human     |   |

## 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).

## Storage

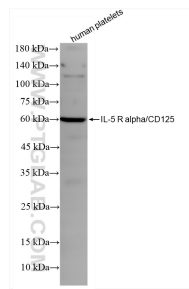
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 84948-5-RR (IL-5 R alpha/CD125 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.