

For Research Use Only

IL-5 Polyclonal antibody

Catalog Number: 17786-1-AP



Basic Information

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| Catalog Number: 17786-1-AP | GenBank Accession Number: BC066282 | Purification Method: Antigen affinity purification |
| Size: 260 µg/ml | GeneID (NCBI): 3567 | Recommended Dilutions: WB 1:1000-1:4000 |
| Source: Rabbit | UNIPROT ID: P05113 | |
| Isotype: IgG | Full Name: interleukin 5 (colony-stimulating factor, eosinophil) | |
| Immunogen Catalog Number: AG11840 | Calculated MW: 134 aa, 15 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB: Recombinant protein, |
| Species Specificity: human | |

Background Information

Interleukin-5, or IL-5, was originally discovered as a soluble T cell-derived factor, called T cell-replacing factor (TRF), that induced T cell-depleted activated B cells to secrete immunoglobulin. IL-5 is a key hematopoietic cytokine in eosinophil differentiation, maturation, recruitment and activation at sites of allergic inflammation. IL-5 also plays a role in the development, metabolism, and function of basophils. IL-5 exerts its biological activity through the IL-5 receptor (IL-5R), which is composed of at least two chains: an α chain that binds IL-5 with low affinity and a β chain that does not bind IL-5, but together with the IL-5 α chain, constitutes the high affinity IL-5 receptor. The β chain is common to the IL-3, IL-5 and GM-CSF receptors and has been shown to signal through the JAK/Stat pathway. IL-5 has long been associated with the cause of several allergic diseases including allergic rhinitis and asthma, wherein a large increase in the number of circulating, airway tissue, and induced sputum eosinophils have been observed.

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

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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



Recombinant protein were subjected to SDS PAGE followed by western blot with 17786-1-AP (IL5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.