

For Research Use Only

IL-5 Polyclonal antibody

Catalog Number: 17786-1-AP



Basic Information

Catalog Number: 17786-1-AP	GenBank Accession Number: BC066282	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 260 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3567	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: interleukin 5 (colony-stimulating factor, eosinophil)	
Isotype: IgG	Calculated MW: 134 aa, 15 kDa	
Immunogen Catalog Number: AG11840		

Applications

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

*** 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



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.