

IL-5 Polyclonal antibody

Catalog Number: 17786-1-AP

Basic Information

Catalog Number:

17786-1-AP

Size:

260 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11840

GenBank Accession Number:

BC066282

GeneID (NCBI):

3567

UNIPROT ID:

P05113

Full Name:

interleukin 5 (colony-stimulating factor, eosinophil)

Calculated MW:

134 aa, 15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Recombinant protein,

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

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.