

Anti-IL-5 Antibody

Catalog # AP95434

Product Information

Application	FC, IF/IC
Primary Accession	P05113
Reactivity	Human, Mouse
Host	Rat
Clonality	Monoclonal (clone: TRFK5)
Calculated MW	15238

Additional Information

Gene ID	3567
Other Names	Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF
Target/Specificity	Partially-purified T cell clone supernatant
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	IL5
Function	Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed: 2653458 , PubMed: 9010276). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed: 1495999 , PubMed: 22528658). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed: 7613138).
Cellular Location	Secreted.
Tissue Location	Present in peripheral blood mononuclear cells.

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