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Product datasheet for AP23789PU-N

Il5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**Sandwich ELISA:** To detect Mouse IL-5 by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Mouse IL5 (AP23789BT-N or AP23789BT-S) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Mouse IL-5. **Western Blot:** To detect Mouse Il-5 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Mouse IL-5 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure recombinant Murine IL-5
Specificity:	Recognizes Interleukin-5/IL5.
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing an immobilized Murine IL-5 matrix
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at -20°C. Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch
Gene Name:	interleukin 5

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Database Link: Entrez Gene 16191 Mouse
P04401

Background: Interleukin 5 (IL5) is a cytokine produced primarily by activated T lymphocytes. It exists as an antiparallel disulfide linked homodimeric glycoprotein with 115 amino acid residues in each chain. Known also as EDF (eosinophil differentiating factor), functions predominantly as an eosinophilopoietic factor. Analysis of its crystal structure reveals a novel two domain structure, with each domain showing significant homology to the cytokine fold in GMCSF, MCSF, IL2, IL4 and growth hormone. Human and Mouse IL5 have 70% amino acid sequence homology.

Synonyms: IL-5, B-cell differentiation factor I, Eosinophil differentiation factor, T-cell replacing factor, TRF