

Product datasheet for **PP1027B1**

IL5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Direct ELISA: To detect Human IL-5 by Direct ELISA (using 100 µl/well antibody solution) a concentration of ~1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2–0.4 ng/well of recombinant Human IL-5. Sandwich ELISA: To detect Human IL-5 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This Biotin antibody, in conjunction with Anti-Human IL-5m antibody (Cat.-No PP1027P) as a Capture antibody, allows the detection of at least 0.2–0.4 ng/well of recombinant Human IL-5. Western Blot: To detect hIL-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 hIL-5 is 1.5–3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant hIL-5 (human IL-5).
Specificity:	This antibody recognizes Human IL-5.
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1–1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2–8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 5
Database Link:	Entrez Gene 3567 Human P05113
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
Note:	Centrifuge vial prior to opening!