

Product datasheet for **AM32452PU-N**

IL3 Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, Neutralize, WB
Recommended Dilution:	<p>Sandwich ELISA: In a Sandwich ELISA (assuming 100µl/well), a concentration of 4.0-8.0 µg/ml of this antibody will detect at least 500 pg/ml of recombinant Human IL-3 when used with Biotinylated Antigen Affinity Purified Anti-Human IL-3 (Cat.-No PP1025B) as the detection antibody at a concentration of approximately 0.50-1.0 µg/ml.</p> <p>Western Blot: To detect Human IL-3 by Western Blot analysis this antibody can be used at a concentration of 0.25-0.50 µg/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human IL-3 is 0.50-1.0 ng/lane, under reducing conditions and 2.0-4.0 ng/lane, under non-reducing conditions.</p> <p>Neutralization: To yield one-half maximal inhibition [ND₅₀] of the biological activity of Human IL-3 (1.0 ng/ml), a concentration of 0.007-0.010 µg/ml of this antibody is required.</p>
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Highly purified E.coli derived Recombinant Human IL-3 (Cat.-No PA076)
Specificity:	This antibody recognizes Human Interleukin-3 / IL3.
Formulation:	<p>PBS without preservatives</p> <p>State: Aff - Purified</p> <p>State: Lyophilized (sterile filtered) purified Ig fraction</p>
Reconstitution Method:	Restore in sterile water to a concentration of 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	<p>Prior to reconstitution store at 2-8°C.</p> <p>Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 3



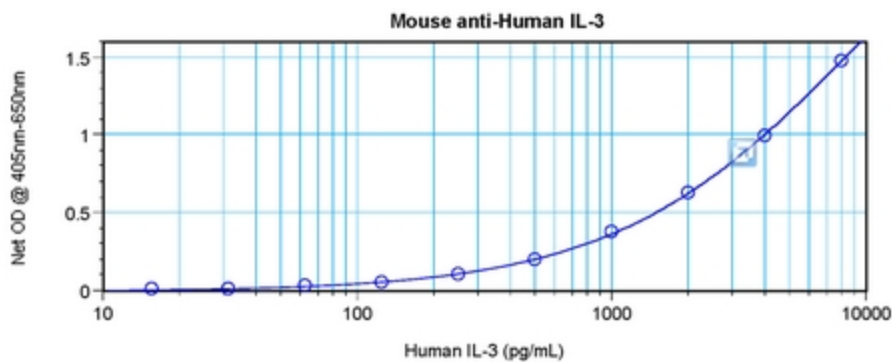
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Database Link: [Entrez Gene 3562 Human P08700](#)

Background: IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoiesis, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. IL-3 is species-specific, variably glycosylated cytokine.

Synonyms: IL-3, Multipotential colony-stimulating factor, Hematopoietic growth factor, P-cell-stimulating factor, MCGF

Product images:



Sandwich ELISA using Interleukin-3 / IL3 Antibody
Cat.-No AM32452PU-N