

Product datasheet for **TA388901**

IL3 Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: In a sandwich ELISA (assuming 100ul/well), a concentration of 4.0-8.0 µg/ml of this antibody will detect at least 8pg/ml of Recombinant Human IL-3 when used with ProSci's Biotinylated Antigen Affinity Purified Anti-Human IL-3 as the detection antibody at a concentration of approximately 0.50- 1.0 µg/ml. 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 2.0-4.0 ng/lane, under reducing and non-reducing conditions.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Produced in mice immunized with highly pure Recombinant Human IL-3. Anti-Human IL-3-specific antibody was purified from tissue culture supernatant by Protein G affinity chromatography.
Concentration:	lot specific
Purification:	IL-3-specific antibody was purified from tissue culture supernatant by Protein G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P08700



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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 a species-specific, variably glycosylated cytokine. Recombinant Human IL-3 is a 15.0 kDa globular protein containing 133 amino acid residues.