

Product datasheet for **AM33477PU-N**

IL3 Rat Monoclonal Antibody [Clone ID: 9D19]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9D19
Applications:	Neutralize, WB
Recommended Dilution:	Western Blot: 1/50-1/200. Neutralization of IL-3 bioactivity.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Recombinant Murine IL-3 protein. This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat).
Specificity:	This antibody detects specifically Mouse IL-3 with Western Blot.
Formulation:	State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore the antibody with 0.2 ml sterile PBS and the final concentration is 0.5 mg/ml.
Purification:	Affinity Chromatography on Protein A/G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 3
Database Link:	Entrez Gene 16187 Mouse P01586



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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 thrombopoieses, 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