

## Product datasheet for **AM01284PU-N**

### IL3 Rat Monoclonal Antibody [Clone ID: BVD3-1F9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BVD3-1F9
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises interleukin 3.
Formulation:	Borate buffered saline State: Purified State: Liquid purified Ig
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 3
Database Link:	<a href="#">Entrez Gene 3562 Human P08700</a>



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**Background:**

The pleiotropic IL3 (Interleukin 3) is a 15kDa cytokine that is primarily secreted by activated T lymphocytes and stimulates the proliferation and differentiation of hematopoietic cells. IL3 acts in hematopoiesis by controlling the production, differentiation, and function of two related white cell populations of the blood, the granulocytes and the monocytes/macrophages. It induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes and is expressed by activated T cells, mast cells, and natural killer cells. IL3 not only supports growth of both pluripotent stem cells and the more differentiated committed progenitors, but it also stimulates the functional activity of some fully differentiated cells. IL3 has also been shown to protect mast cells from undergoing apoptosis.

**Synonyms:**

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