

IL3 monoclonal antibody, clone BVD8-3G11

Catalog # MAB3291

Size 500 ug

Specification

Product Description	Rat monoclonal antibody raised against recombinant IL3.
Immunogen	Recombinant protein corresponding to human IL3.
Host	Rat
Reactivity	Human
Specificity	human Interleukin-3 (IL-3). This is a neutralizing antibody.
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — IL3

Entrez GeneID	3562
Gene Name	IL3
Gene Alias	IL-3, MCGF, MGC79398, MGC79399, MULTI-CSF

Gene Description	interleukin 3 (colony-stimulating factor, multiple)
Omim ID	147740
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders. [provided by RefSeq]
Other Designations	P-cell stimulating factor hematopoietic growth factor interleukin 3 mast-cell growth factor multilineage-colony-stimulating factor

Publication Reference

- [Structure-function relationships of interleukin-3. An analysis based on the function and binding characteristics of a series of interspecies chimera of gibbon and murine interleukin-3.](#)

Kaushansky K, Shoemaker SG, Broudy VC, Lin NL, Matous JV, Alderman EM, Aghajanian JD, Szklut PJ, VanDyke RE, Pearce MK, et al.

The Journal of Clinical Investigation 1992 Nov; 90(5):1879.

Application: ELISA, IP, RIA, WB-Re, WB-Tr, Hamster, BHK cells, OCIM1 cells, Recombinant proteins

- [Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples.](#)

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE.

Immunological Reviews 2006 Jun; 127:5.

Application: Blocking, ELISA, Human, Supernatants from cells cultured and stimulated ex vivo with different agents and biological fluids like sera/plasma, bronehoalveolar lavage, ascites, urines, cerebrospinal fluids, saliva, and sputa.

Pathway

- [Apoptosis](#)
- [Asthma](#)
- [Cytokine-cytokine receptor interaction](#)
- [Fc epsilon RI signaling pathway](#)
- [Hematopoietic cell lineage](#)

- [Jak-STAT signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)

- [Lymphoma](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)