IL3 monoclonal antibody, clone BVD3-1F9

Catalog # MAB3292 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).
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Immunofluorescence
- Flow Cytometry

Gene Info — IL3

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

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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: Det Ab, ELISA IP, 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

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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

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- 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

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