

## ARG65985 anti-IL3 antibody [5A4-1-16]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [5A4-1-16] recognizes IL3
Tested Reactivity	Hu
Tested Application	ELISA, Neut, WB
Host	Mouse
Clonality	Monoclonal
Clone	5A4-1-16
Isotype	IgG
Target Name	IL3
Species	Human
Immunogen	E. coli derived recombinant Human IL3. (APMTQTSLK TSWVNCNMI DEIITHLKQP PLPLDFNNL NGEDQDILME>NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYFKTLEN AQAQQTTLSL AIF)
Conjugation	Un-conjugated
Alternate Names	MCGF; Mast cell growth factor; P-cell-stimulating factor; Hematopoietic growth factor; IL-3; Interleukin-3; Multipotential colony-stimulating factor; MULTI-CSF

### Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 4.0 - 8.0 µg/ml with ARG65999 as a detection antibody
	Neut	0.007 - 0.010 µg/ml (To yield [ND50] of the biological activity of Human IL-3 (1.0 ng/ml) )
	WB	0.25 - 0.50 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 3562 Human](#)

[Swiss-port # P08700 Human](#)

Gene Symbol

IL3

Gene Full Name

interleukin 3

Background

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, Jul 2008]

Function

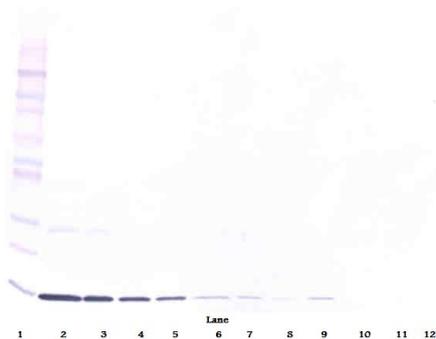
Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages.

This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes. [UniProt]

Calculated Mw

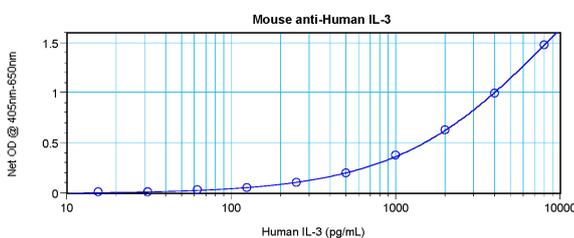
17 kDa

## Images



ARG65985 anti-IL3 antibody [5A4-1-16] WB image

Western blot: 250 - 0.24 ng (left to right) of Human IL-3 stained with ARG65985 anti-IL3 antibody [5A4-1-16], under non-reducing conditions.



ARG65985 anti-IL3 antibody [5A4-1-16] standard curve image

Sandwich ELISA: ARG65985 anti-IL3 antibody [5A4-1-16] as a capture antibody at 4.0 - 8.0 µg/ml combined with ARG65999 anti-IL3 antibody (Biotin) as a detection antibody at ~ 0.50 - 1.0 µg/ml. Results of a typical standard run with optical density reading at 405 - 650 nm.

ARG65985 anti-IL3 antibody [5A4-1-16] WB image

Western blot: 250 - 0.24 ng (left to right) of Human IL-3 stained with ARG65985 anti-IL3 antibody [5A4-1-16], under reducing conditions.

