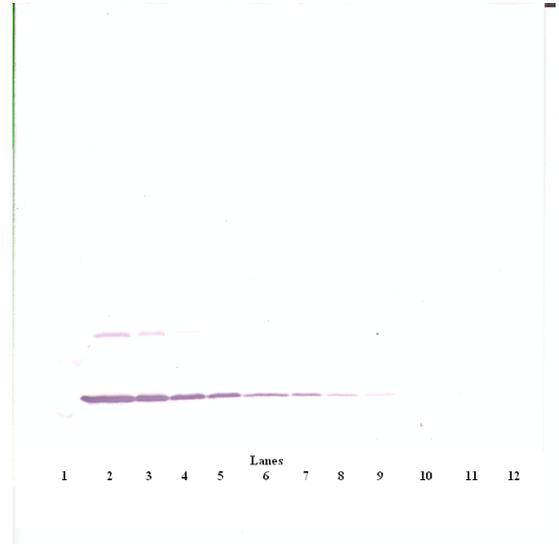
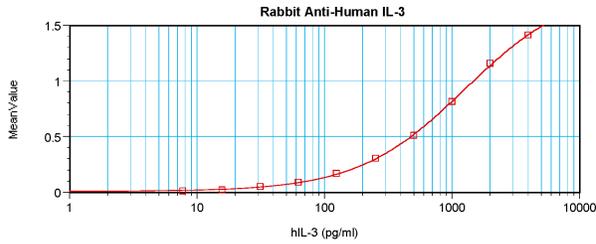


IL3

Rabbit Anti-Human IL-3 Affinity Purified, Biotin pAb

Catalog No.	PA0462BT	Quantity:	50 µg
Alternate Names:	Interleukin 3, Mast cell growth factor, MCGF, P-cell stimulating factor, PSF, Hematopoietic growth factor		
Description:	Interleukin 3 is a 15kDa cytokine that is primarily secreted by activated T lymphocytes and stimulates the proliferation and differentiation of hematopoietic cells. IL-3 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. IL-3 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. IL-3 has also been shown to protect mast cells from undergoing apoptosis.		
UniProt ID:	P08700		
Gene ID:	3562		
Specificity:	Human IL-3		
Host:	Rabbit		
Immunogen:	> 98% pure recombinant human IL-3		
Isotype:	IgG		
Conjugate:	Biotin		
Formulation:	Lyophilized from a sterile filtered solution in PBS, pH 7.2		
Purification:	Antigen affinity chromatography, followed by biotinylation.		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute to a concentration of 0.1-1.0 mg/ml with sterile PBS solution containing 0.1% BSA.		
Application Notes:	Western Blot: use at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human IL3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Sandwich ELISA: at 100 µl/well antibody solution, a concentration of 0.25 - 1.0 µg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with our Polyclonal Anti-Human IL-3 (PA0462) as a capture antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-3. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Lyophilized antibody is stable for 1 year at -20°C to -80°C and reconstituted antibody for 2 weeks at 2-8°C. It is recommended to prepare working aliquots and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		





NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com