antibodies - online.com







anti-IL-3 antibody (Biotin)





Publication



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produced by repeated immunizations with full length recombinant human IL-3 protein. Immunogen Type: RecombinantProtein Isotype: IgG Specificity: Biotin Conjugated Anti-Human IL-3 Antibody Biotin is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-3 cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended. Characteristics: The pleiotropic IL3 (Interleukin 3) is a 15kDa cytokine that is primarily secreted by activated Tables.			
Reactivity: Human Host: Rabbit Clonality: Polyclonal Conjugate: This IL-3 antibody is conjugated to Biotin Application: Western Blotting (WB), ELISA Product Details Immunogen: Anti-Human IL-3 (RABBIT) Antibody Biotin Conjugated was prepared from whole rabbit serur produced by repeated immunizations with full length recombinant human IL-3 protein. Immunogen Type: RecombinantProtein Isotype: IgG Specificity: Biotin Conjugated Anti-Human IL-3 Antibody Biotin is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionatic and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-3 cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended. Characteristics: The pleiotropic IL3 (Interleukin 3) is a 15kDa cytokine that is primarily secreted by activated Total Characteristics:	Quantity:	100 μg	
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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.

Purification:

purified

Target Details

Target:	IL-3
Alternative Name:	IL-3 (IL-3 Products)

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: Burst promoting activity, Colony stimulating factor, Eosinophil colony stimulating

Gene ID:	3562
NCBI Accession:	NP_000579
UniProt:	P08700

JAK-STAT Signaling, Regulation of Carbohydrate Metabolic Process, Autophagy

factor, Hematopoietic growth factor, IL 3, Interleukin 3

Application Details

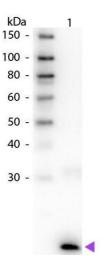
Application Notes:

Pathways:

This purified antibody has been tested for use in ELISA and western blotting. By western blot a band approximately 15 kDa in size corresponding to human IL-3 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the

Application Details

end user.	
Gene Name: IL3	
For Research Use only	
Lyophilized	
Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μ L	
1.0 mg/mL	
0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free	
Sodium azide	
This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
4 °C/-20 °C	
Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.	
12 months	
Sarmento, Oneto, Pelicci, Pesce, Scipioni, Faretta, Furia, Dellino, Pelicci, Bianchini, Diaspro, Lanzanò: "Exploiting the tunability of stimulated emission depletion microscopy for superresolution imaging of nuclear structures." in: Nature communications , Vol. 9, Issue 1, pp. 3415, (2018) (PubMed).	



Western Blotting

Image 1. Western Blot of Rabbit anti-Human IL-3 Biotin Conjugated Antibody. Lane 1: Human IL-3. Lane 2: None. Load: 50 ng per lane. Primary antibody: Human IL-3 primary antibody at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 15 kDa, 15 kDa for Human IL-3. Other band(s): None.