

Datasheet for ABIN1043802
anti-IL-3 antibody (HRP)



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Overview

Quantity:	100 µg
Target:	IL-3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-3 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	IL-3 Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Anti-Human IL-3 (RABBIT) Antibody Peroxidase Conjugated was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-3 protein. Immunogen Type: Recombinant Protein
Isotype:	IgG
Characteristics:	Synonyms: rabbit anti-IL-3 peroxidase antibody, rabbit anti-Interleukin 3 peroxidase antibody, IL3, interleukin-3, Burst promoting activity, Colony stimulating factor, Eosinophil colony stimulating factor, Hematopoietic growth factor, IL-3, Hematopoietic growth factor, Mast cell growth factor, MCGF, Multipotential colony-stimulating factor, P-cell-stimulating factor
Purification:	Anti-Human IL-3 (RABBIT) Antibody Peroxidase Conjugated is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt

Product Details

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.

Target Details

Target:	IL-3
Alternative Name:	IL3 (IL-3 Products)
Background:	Background: The pleiotropic IL3 (Interleukin 3) is a 15 kDa 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.
Gene ID:	3562
NCBI Accession:	NP_000579
UniProt:	P08700
Pathways:	JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy

Application Details

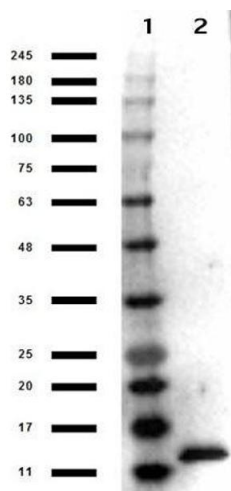
Application Notes:	Immunohistochemistry Dilution: 1:500-1:2,500 Application Note: This IL-3 antibody has been tested in western blotting and suitable for ELISA. By western blot a band approximately 15 kDa in size corresponding to human IL-3 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user. Western Blot Dilution: 1:1,000-1:5,000 ELISA Dilution: 1:10,000 - 1:50,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store Anti-Human IL-3 (RABBIT) Antibody Peroxidase Conjugated 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.
Expiry Date:	12 months

Publications

Product cited in:	Davila, Froeling, Tan, Bonnard, Boland, Snippe, Hibberd, Seielstad: "New genetic associations detected in a host response study to hepatitis B vaccine." in: Genes and immunity , Vol. 11, Issue 3, pp. 232-8, (2010) (PubMed).
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Western Blotting

Image 1. Western Blot results of Rabbit Anti-IL-3 Peroxidase Conjugated Antibody. Lane 1: Opal Prestained Molecular Weight Ladder . Lane 2: IL-3. Load: 50ng. Primary Antibody: Rabbit Anti-IL-3 at 1µg/mL overnight at 4°C. Secondary Antibody: none. Blocking: BlockOut for 30 min at RT.