

Datasheet for ABIN1043810
anti-IL-9 antibody (Biotin)



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Overview

Quantity:	100 µg
Target:	IL-9 (IL9)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-9 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	IL-9 Antibody Biotin Conjugated
Immunogen:	Immunogen: This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-9 protein. Immunogen Type: Recombinant Protein
Isotype:	IgG
Characteristics:	Synonyms: rabbit anti-IL-9 biotin conjugated antibody, rabbit anti-interleukin-9 biotin conjugated antibody, Interleukin 9, IL 9, IL9, T cell growth factor 3, T cell growth factor p40, TCGF 3, Mast cell growth factor, MCGF, Megakaryoblast growth factor, p40 cytokine
Purification:	This product 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.

Target Details

Target:	IL-9 (IL9)
Alternative Name:	IL9 (IL9 Products)
Background:	Background: IL-9 is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness.
Gene ID:	3578
NCBI Accession:	NP_000581
UniProt:	P15248
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:1,000-1:5,000 Application Note: This purified antibody has been tested in western blotting and suitable in ELISA. By western blot a band approximately 15 kDa in size corresponding to human IL-9 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user. Western Blot Dilution: 1:2,000-1:10,000 ELISA Dilution: 1:20,000 - 1:100,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
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

Handling

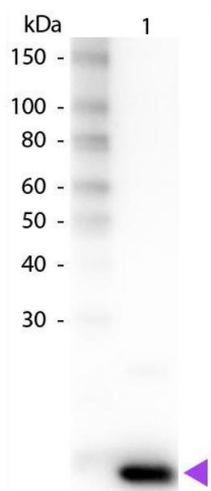
	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage 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.
Expiry Date:	12 months

Publications

Product cited in: Zhu, Liu, Zhao, Jia, Cui, Ning: "Association analysis of polymorphisms in IL-3, IL-4, IL-5, IL-9, and IL-13 with Graves' disease." in: **Journal of endocrinological investigation**, Vol. 33, Issue 10, pp. 751-5, (2010) ([PubMed](#)).

Ciprandi: "Serum interleukin 9 in allergic rhinitis." in: **Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology**, Vol. 104, Issue 2, pp. 180-1, (2010) ([PubMed](#)).

Osterfeld, Ahrens, Strait, Finkelman, Renauld, Hogan: "Differential roles for the IL-9/IL-9 receptor alpha-chain pathway in systemic and oral antigen-induced anaphylaxis." in: **The Journal of allergy and clinical immunology**, Vol. 125, Issue 2, pp. 469-476.e2, (2010) ([PubMed](#)).



Western Blotting

Image 1. Western Blot of Rabbit anti-Human IL-9 Biotin Conjugated Antibody. Lane 1: Human IL-9. Lane 2: None. Load: 50 ng per lane. Primary antibody: Human IL-9 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: 14 kDa, 14 kDa for Human IL-9. Other band(s): None.