

Datasheet: AHP1034B

BATCH NUMBER 159070

Description:	RABBIT ANTI HUMAN INTERLEUKIN-5:Biotin
Specificity:	IL-5
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified IgG conjugated to Biotin - lyophilised

Reconstitution

Reconstitute with 0.5ml sterile PBS containing 0.1% Bovine Serum Albumin. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.

Antiserum Preparation

Antisera to human IL-5 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution
Immunogen	Recombinant human IL-5.
External Database Links	<p>UniProt: P05113 Related reagents</p> <p>Entrez Gene: 3567 IL5 Related reagents</p>
RRID	AB_2249204
Specificity	<p>Rabbit anti Human Interleukin-5 antibody recognizes human IL-5 (Interleukin-5), a disulphide-linked homodimer consisting of two 115 amino acid chains, which is homologous to mouse eosinophil differentiation factor (EDF) and is produced by mast cells, eosinophils and T cells.</p> <p>IL-5 is a lineage-specific cytokine involved in the development and stimulation of eosinophils, and has been linked with diseases involving abnormally high levels of eosinophils, including parasitic infections and allergic airways eosinophilia, the major pathological symptom of allergic asthma.</p>
ELISA	This antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with AHP1034 as the capture antibody.
Further Reading	<ol style="list-style-type: none"> 1. Campbell, H.D. <i>et al.</i> (1987) Molecular cloning, nucleotide sequence, and expression of the gene encoding human eosinophil differentiation factor (interleukin 5). Proc Natl Acad Sci U S A. 84 (19): 6629-33. 2. Wang, J. <i>et al.</i> (1998) Circulating, but not local lung, IL-5 is required for the development of antigen-induced airways eosinophilia. J Clin Invest. 102 (6): 1132-41.
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP1034B

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Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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