

Datasheet: AHP1034B

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 - lyophilized
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	None present

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 0.1mg/ml after reconstitution

Immunogen Recombinant human IL-5.

External Database Links

UniProt:

[P05113](#)

[Related reagents](#)

Entrez Gene:

[3567](#)

IL5

[Related reagents](#)

RRID AB_2249204

Specificity

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.

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.

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

1. Campbell, H.D. *et al.* (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. *et al.* (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

This product is shipped at ambient temperature.
Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10294 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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