

## Datasheet: AHP1034B

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-5:Biotin
<b>Specificity:</b>	IL-5
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilised
<b>Reconstitution</b>	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.
<b>Antiserum Preparation</b>	Antisera to human IL-5 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human IL-5.

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**External Database****Links****UniProt:**

[P05113](#) [Related reagents](#)

**Entrez Gene:**

[3567](#) IL5 [Related reagents](#)

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**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.

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**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.

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**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.](#)
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**Storage**

Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

3 months from date of reconstitution.

Please see label for expiry date.

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**Health And Safety Information**

Material Safety Datasheet documentation #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory**

For research purposes only

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