

Datasheet: AAM34B

Description:	RABBIT ANTI MOUSE INTERLEUKIN-13:Biotin
Specificity:	IL-13
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 antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

Target Species	Mouse
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. N.B. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	Antisera to mouse IL-13 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Carrier Free Yes

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

Immunogen Recombinant mouse IL-13.

External Database Links

UniProt:
[P20109](#) [Related reagents](#)

Entrez Gene:
[16163](#) IL13 [Related reagents](#)

Synonyms IL-13

RRID AB_2124054

Specificity **Rabbit anti Mouse Interleukin-13 antibody** recognizes mouse Interleukin-13 (IL-13), a 12.3kDa immunoregulatory cytokine produced primarily by activated T helper type 2 (Th2) cells and also by mast cells and NK cells.

The biological properties of IL-13 include stimulation of B cell proliferation and antibody production and studies suggest that IL-13 plays an important role in the induction of the pathophysiological features of allergic asthma, independently of Immunoglobulin E and eosinophils ([Wills-Karp et al. 1998](#)).

ELISA AAM34B may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with [AAM34](#) as the capture antibody.

References 1. Wills-karp, M. *et al.* (1998) Interleukin-13: central mediator of allergic asthma. [Science. 282 \(5397\): 2258-61.](#)

Storage 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 #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[RABBIT ANTI MOUSE INTERLEUKIN-13 \(AAM34\)](#)

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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
'M372401:200706'

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