

## Datasheet: AAM34

**BATCH NUMBER 140415**

<b>Description:</b>	RABBIT ANTI MOUSE INTERLEUKIN-13
<b>Specificity:</b>	IL-13
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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	▪			0.5 - 2.0ug/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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water 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 mouse IL-13 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution.
<b>Immunogen</b>	Recombinant mouse IL-13.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P20109</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16163</a>    IL13    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL-13
<b>RRID</b>	AB_2264676
<b>Specificity</b>	<p><b>Rabbit anti Mouse Interleukin-13 antibody</b> 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.</p> <p>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 (<a href="#">Wills-Karp et al. 1998</a>).</p>
<b>ELISA</b>	AAM34 may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with <a href="#">AAM34B</a> as the detection antibody.
<b>References</b>	1. Wills-karp, M. <i>et al.</i> (1998) Interleukin-13: central mediator of allergic asthma. <a href="#">Science. 282 (5397): 2258-61.</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10162 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AAM34">https://www.bio-rad-antibodies.com/SDS/AAM34</a>  10162</p>

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[RABBIT ANTI MOUSE INTERLEUKIN-13:Biotin \(AAM34B\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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'M372400:200706'

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