

## Datasheet: AAM33B

<b>Description:</b>	GOAT ANTI MOUSE INTERLEUKIN-12:Biotin
<b>Specificity:</b>	IL-12
<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
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 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.
<b>Antiserum Preparation</b>	Antisera to mouse IL-12 were raised by repeated immunisations of goats 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>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant mouse IL-12</a> (PMP40)

**External Database  
Links**

**UniProt:**

[P43432](#) [Related reagents](#)

[P43431](#) [Related reagents](#)

**Entrez Gene:**

[16160](#) IL12b [Related reagents](#)

[16159](#) IL12a [Related reagents](#)

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**Specificity**

**Goat anti Mouse Interleukin-12 antibody** recognizes mouse interleukin-12 (IL-12).

Interleukin-12 is produced by activated B lymphocytes and macrophages. The properties of IL-12 include the stimulation of growth of activated T lymphocytes and the development of TH1 CD4 +ve cells and CD8 +ve cytotoxic T cells.

Goat anti Mouse Interleukin-12 antibody neutralizes murine IL-12 activity with an ND<sub>50</sub> for mIL-12 (2ngml<sup>-1</sup> of between 0.002 and 0.002µg ml<sup>-1</sup>).

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**ELISA**

This biotinylated mouse IL-12 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with a [purified mouse IL-12 antibody](#) (AAM33) as the capture reagent and [recombinant mouse IL-12](#) (PMP40) as the standard.

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**Western Blotting**

This biotinylated mouse IL-12 antibody may used in Western Blotting application under either reducing or non-reducing conditions with [recombinant mouse IL-12](#) (PMP40) as the positive control.

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**Storage**

Prior to reconstitution store at +4°C. Following 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.

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**Shelf Life**

12 months from date of reconstitution.

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**Health And Safety  
Information**

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

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

STREPTAVIDIN (STAR119...) [APC](#)

**North & South  
America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide** Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739  
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'M310273:170914'

Printed on 14 Sep 2017

