

## Datasheet: AAM33

**BATCH NUMBER 170831**

|                      |                                |
|----------------------|--------------------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE INTERLEUKIN-12 |
| <b>Specificity:</b>  | IL-12                          |
| <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 - 2.0 ug/ml    |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           | ▪   |    |                | 0.1 - 0.2 ug/ml    |
| Functional Assays          | ▪   |    |                | 2.0 - 3.0 ng/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 - lyophilised

#### Reconstitution

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.

N.B. For functional studies do not add sodium azide

#### Antiserum Preparation

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>Carrier Free</b>                   | Yes   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                      | Recombinant mouse IL-12.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b></p> <p><a href="#">P43432</a>    <a href="#">Related reagents</a></p> <p><a href="#">P43431</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">16160</a>    Il12b    <a href="#">Related reagents</a></p> <p><a href="#">16159</a>    Il12a    <a href="#">Related reagents</a></p>   |
| <b>RRID</b>                           | AB_323697   |
| <b>Specificity</b>                    | <p><b>Goat anti Mouse Interleukin-12 antibody</b> recognizes mouse interleukin-12 (IL-12).</p> <p>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.</p> <p>Goat anti Mouse Interleukin-12 antibody neutralizes murine IL-12 activity with an ND<sub>50</sub> for mL-12 (2ngml<sup>-1</sup> of between 0.002 and 0.002µg ml<sup>-1</sup>).</p> |
| <b>ELISA</b>                          | This purified mouse IL-12 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with a <a href="#">biotinylated mouse IL-12 antibody</a> (AAM33B) as the detection reagent.   |
| <b>Western Blotting</b>               | This purified mouse IL-12 antibody may be used in Western Blotting applications under either reducing or non-reducing conditions.   |
| <b>Storage</b>                        | <p>Prior to reconstitution store at -20°C.</p> <p>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</b>              | Material Safety Datasheet documentation #10162 available at:  |

**Information** <https://www.bio-rad-antibodies.com/SDS/AAM33>  
10162

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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](https://www.bio-rad-antibodies.com/datasheets)

'M372398:200706'

**Printed on 12 Aug 2023**

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