

## Datasheet: AAM13G

**BATCH NUMBER 162808**

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| <b>Description:</b>  | RABBIT ANTI MOUSE INTERLEUKIN-1 BETA |
| <b>Specificity:</b>  | IL-1 BETA                            |
| <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     |
| Immunofluorescence         | ▪   |    |                |                    |
| Functional Assays          | ▪   |    |                | 0.1 - 0.15ug/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.

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| <b>Target Species</b> | Mouse   |
| <b>Product Form</b>   | Purified IgG - lyophilized  |
| <b>Reconstitution</b> | <p>Reconstitute with 0.1ml distilled water</p> <p>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.</p> <p>N.B. For functional studies do not add sodium azide</p> |

**Antiserum Preparation** Antisera to murine IL-1beta were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by antigen affinity

chromatography.

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| <b>Buffer Solution</b> | Phosphate buffered saline |
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| <b>Preservative Stabilisers</b> | None present |
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| <b>Carrier Free</b> | Yes |
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| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0mg/ml after reconstitution. |
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| <b>Immunogen</b> | Recombinant murine IL-1 beta. |
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| <b>External Database Links</b> | <b>UniProt:</b><br><a href="#">P10749</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">16176</a> Il1b <a href="#">Related reagents</a> |
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| <b>RRID</b> | AB_2233635 |
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| <b>Specificity</b> | <b>Rabbit anti Mouse Interleukin-1 beta antibody</b> recognizes mouse Interleukin-1 beta (IL-1 beta), a cytokine involved in the inflammatory response. |
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| <b>ELISA</b> | AAM13G may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with <a href="#">AAM13B</a> as the detection reagent and <a href="#">PMP71</a> as the standard. |
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| <b>Western Blotting</b> | AAM13G may be used under either reducing or non-reducing conditions with <a href="#">PMP71</a> as the positive control. |
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| <b>References</b> | <ol style="list-style-type: none"><li>1. Clausen, B.H. <i>et al.</i> (2008) Interleukin-1beta and tumor necrosis factor-alpha are expressed by different subsets of microglia and macrophages after ischemic stroke in mice. <a href="#">J Neuroinflammation. 5: 46.</a></li><li>2. Ruan, L. <i>et al.</i> (2009) Amyloid deposition and inflammation in APPswe/PS1dE9 mouse model of Alzheimer's disease. <a href="#">Curr Alzheimer Res. 6: 531-40.</a></li></ol> |
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| <b>Storage</b> | Prior to reconstitution store at -20°C.<br>After reconstitution store at -20°C.<br><br>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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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AAM13G">https://www.bio-rad-antibodies.com/SDS/AAM13G</a> |
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**Regulatory**For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Positive Controls

[RECOMBINANT MOUSE INTERLEUKIN-1 BETA \(PMP71\)](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)**North & South** Tel: +1 800 265 7376**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

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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://bio-rad-antibodies.com/datasheets)

'M402190:220718'

**Printed on 18 Jan 2024**