

## Datasheet: AAM13G

**BATCH NUMBER 162786**

<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.

<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.

---

<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 1.0mg/ml after reconstitution.
---------------------------------------	--

---

<b>Immunogen</b>	Recombinant murine IL-1 beta.
------------------	-------------------------------

---

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P10749</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">16176</a> Il1b <a href="#">Related reagents</a>
--------------------------------	--

---

<b>RRID</b>	AB_2233635
-------------	------------

---

<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.
--------------------	---

---

<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.
--------------	---

---

<b>Western Blotting</b>	AAM13G may be used under either reducing or non-reducing conditions with <a href="#">PMP71</a> as the positive control.
-------------------------	---

---

<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 APP<sup>swe</sup>/PS1<sup>dE9</sup> mouse model of Alzheimer's disease. <a href="#">Curr Alzheimer Res. 6: 531-40.</a></li></ol>
-------------------	---

---

<b>Storage</b>	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.
----------------	--

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<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>
--------------------------------------	--

---

**Regulatory**For research purposes only

---

## 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**America** Fax: +1 919 878 3751Email: [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

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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**

---