

Datasheet: AAM13G

BATCH NUMBER 159278

Description:	RABBIT ANTI MOUSE INTERLEUKIN-1 BETA
Specificity:	IL-1 BETA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Mouse
Product Form	Purified IgG - lyophilised
Reconstitution	<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.

Buffer Solution	Phosphate buffered saline
------------------------	---------------------------

Preservative Stabilisers	None present
---------------------------------	--------------

Carrier Free	Yes
---------------------	-----

Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution.
---------------------------------------	--

Immunogen	Recombinant murine IL-1 beta.
------------------	-------------------------------

External Database Links	UniProt: P10749 Related reagents Entrez Gene: 16176 Il1b Related reagents
--------------------------------	--

RRID	AB_2233635
-------------	------------

Specificity	Rabbit anti Mouse Interleukin-1 beta antibody recognizes mouse Interleukin-1 beta (IL-1 beta), a cytokine involved in the inflammatory response.
--------------------	---

ELISA	AAM13G may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with AAM13B as the detection reagent and PMP71 as the standard.
--------------	---

Western Blotting	AAM13G may be used under either reducing or non-reducing conditions with PMP71 as the positive control.
-------------------------	---

References	<ol style="list-style-type: none">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. J Neuroinflammation. 5: 46.2. Ruan, L. <i>et al.</i> (2009) Amyloid deposition and inflammation in APP^{swe}/PS1^{dE9} mouse model of Alzheimer's disease. Curr Alzheimer Res. 6: 531-40.
-------------------	---

Storage	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.
----------------	--

Guarantee	6 months from date of despatch
------------------	--------------------------------

Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AAM13G
--------------------------------------	--

RegulatoryFor research purposes only

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 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**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M372383:200706'

Printed on 18 Jan 2024