

Datasheet: AAM13G

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

Concentrations

Immunogen	Recombinant murine IL-1 beta
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External Database Links

UniProt:

[P10749](#)

[Related reagents](#)

Entrez Gene:

[16176](#)

IL1b

[Related reagents](#)

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

1. Clausen, B.H. *et al.* (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. *et al.* (2009) Amyloid deposition and inflammation in APPswe/PS1dE9 mouse model of Alzheimer's disease. [Curr Alzheimer Res. 6: 531-40.](#)

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.

Shelf Life

12 months from date of reconstitution.

Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Positive Controls

RECOMBINANT MOUSE INTERLEUKIN-1 BETA (PMP71)

Recommended Useful Reagents

RABBIT ANTI MOUSE INTERLEUKIN-1 BETA:Biotin (AAM13B)

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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