

## Datasheet: AAR25

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | GOAT ANTI RAT INTERLEUKIN-1 ALPHA |
| <b>Specificity:</b>  | IL-1 ALPHA                        |
| <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                      | ■   |    |                | 0.5ug/ml                |
| Immunoprecipitation        |     |    | ■              |                         |
| Western Blotting           | ■   |    |                | 0.1ug/ml - 0.2ug/ml     |
| Functional Assays          | ■   |    |                | 0.011ug/ml - 0.017ug/ml |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

|                                       |                                                                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Rat                                                                                                                                                                                                                       |
| <b>Product Form</b>                   | Purified IgG - lyophilised                                                                                                                                                                                                |
| <b>Reconstitution</b>                 | Reconstitute with 0.1 ml 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. |
| <b>Antiserum Preparation</b>          | Antisera to rat IL-1 alpha 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>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                                                                                                                                                                               |
| <b>Immunogen</b>                      | Recombinant rat IL-1 alpha                                                                                                                                                                                                |

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**External Database  
Links****UniProt:**[P16598](#)[Related reagents](#)**Entrez Gene:**[24493](#)

IL1a

[Related reagents](#)

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**Specificity**

**Goat anti Rat Interleukin-1 alpha antibody** recognizes rat interleukin-1 alpha. Rat IL-1 alpha is a 17.7kD cytokine, which is produced by macrophages.

IL-1 alpha is chemotactic for leucocytes and also contributes to the inflammatory response by its interactions with several other cell types.

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**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. The addition of 0.09% sodium azide is recommended for long term storage.

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

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**Shelf Life**

12 months from date of reconstitution.

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**Health And Safety  
Information**

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

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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](#)

**North & South  
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [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)

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