

Datasheet: AHP2373

**BATCH NUMBER 134451**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | RABBIT ANTI BOVINE 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                      | ▪   |    |                | 1ug/ml - 5ug/ml    |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           | ▪   |    |                | 0.1ug/ml - 2ug/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.

### Target Species

Bovine

### Species Cross Reactivity

Does not react with:Dolphin, Rabbit  
 Reacts weakly with:Horse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to bovine interleukin-1alpha were raised by repeated immunisation of rabbits 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>       | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                      | Recombinant bovine interleukin-1 alpha  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P08831</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">281250</a>    IL1A    <a href="#">Related reagents</a></p>   |
| <b>Specificity</b>                    | <p><b>Rabbit anti Bovine interleukin-1 alpha antibody</b> recognizes bovine interleukin-1 alpha (IL-1<math>\alpha</math>), an 18.8 kDa pleiotropic pro-inflammatory cytokine belonging to the IL-1 superfamily. It is secreted by activated macrophages and monocytes and is involved in the modulation of a wide range of immune and inflammatory responses.</p> <p>IL-1<math>\alpha</math> and the closely related IL-1<math>\beta</math>, are both involved in haematopoiesis and exhibit many identical immunomodulatory properties, binding to the same type I interleukin-1 receptor, also known as CD121a.</p> |
| <b>ELISA</b>                          | This product may be used as a capture antibody in a sandwich ELISA together with <a href="#">AHP2373B</a> as the detection reagent. Recombinant Bovine interleukin-1alpha ( <a href="#">PBP031</a> ) may be used as a standard.   |
| <b>Storage</b>                        | <p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>   |
| <b>Guarantee</b>                      | 12 months from date of despatch   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>   |
| <b>Regulatory</b>                     | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

|  |   |
|--|---|
| Sheep Anti Rabbit IgG (STAR34...)      | <a href="#">FITC</a>  |
| Sheep Anti Rabbit IgG (STAR35...)      | <a href="#">RPE</a>   |
| Goat Anti Rabbit IgG (Fc) (STAR121...) | <a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>                     |
| Sheep Anti Rabbit IgG (STAR36...)      | <a href="#">DyLight@488</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> |

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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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)

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