

Datasheet: AHP851B

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| Description: | RABBIT ANTI BOVINE INTERLEUKIN-1 BETA:Biotin |
| Specificity: | IL-1 BETA |
| Format: | Biotin |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.25 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 | ▪ | | | 1ug/ml - 10ug/ml |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | | | ▪ | |

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 appropriate negative/positive controls.

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| Target Species | Bovine |
| Species Cross Reactivity | Does not react with:Human, Mouse, Rat |
| Product Form | Purified IgG conjugated to Biotin - lyophilized |
| Reconstitution | Reconstitute with 1.0ml distilled water Care should be taken during reconstitution as the antibody may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G |
| Buffer Solution | Phosphate buffered saline |

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| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | IgG concentration 0.25mg/ml after reconstitution |
| Immunogen | Recombinant bovine IL-1 beta. |
| External Database Links | <p>UniProt: P09428 Related reagents</p> <p>Entrez Gene: 281251 IL1B Related reagents</p> |
| RRID | AB_2124485 |
| Specificity | <p>Rabbit anti Bovine Interleukin-1 beta antibody recognizes bovine interleukin-1 beta (IL-1 beta).</p> <p>IL-1 beta is principally expressed by macrophages, and plays an important immunomodulatory role in the bovine immune response.</p> <p>Rabbit anti Bovine Interleukin-1 beta antibody recognizes both native and recombinant bovine IL-1 beta. No detectable cross-reactivity was observed with human, mouse or rat IL-1 beta.</p> |
| ELISA | This anti interleukin-1 β :biotin conjugate may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with recombinant IL-1 β (PBP008) as the standard and either Rabbit anti Bovine IL-1 β (AHP851Z) or purified Mouse anti Ovine IL-1 β (MCA1658) as the capture reagents. |
| References | <ol style="list-style-type: none"> 1. Wenz, J.R. <i>et al.</i> (2010) Factors associated with concentrations of select cytokine and acute phase proteins in dairy cows with naturally occurring clinical mastitis. J Dairy Sci. 93: 2458-70. 2. Rinaldi, M. <i>et al</i> (2010) A sentinel function for teat tissues in dairy cows: dominant innate immune response elements define early response to <i>E. coli</i> mastitis. Funct Integr Genomics. 10: 21-38. 3. Bougarn, S. <i>et al.</i> (2010) Muramyl dipeptide synergizes with <i>Staphylococcus aureus</i> lipoteichoic acid to recruit neutrophils in the mammary gland and to stimulate mammary epithelial cells. Clin Vaccine Immunol. 17 (11): 1797-809. 4. Simojoki, H. <i>et al.</i> (2011) Innate immune response in experimentally induced bovine intramammary infection with <i>Staphylococcus simulans</i> and <i>S. epidermidis</i>. Vet Res. 42: 49. 5. Harte,C. <i>et al.</i> (2017) Alum Activates the Bovine NLRP3 Inflammasome Frontiers in Immunology. 8 [Epub ahead of print]. |
| Storage | <p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> |

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP851B 10294 |
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| Regulatory | For research purposes only |
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Related Products

Recommended Useful Reagents

[RABBIT ANTI BOVINE INTERLEUKIN-1 BETA:Preservative Free \(AHP851Z\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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 |
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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
'M399201:220628'

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