

Datasheet: AHP851B

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.

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

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.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: 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 Useful Reagents

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

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](https://www.bio-rad-antibodies.com/datasheets)
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