

Datasheet: MCA2438P

Description:	MOUSE ANTI BOVINE IgA:HRP
Specificity:	IgA
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	IL-A71
Isotype:	IgG2a
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	▪			
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
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.0095% MIT
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Purified bovine Immunoglobulin
RRID	AB_10567988
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the X63.Ag8.653 myeloma cell line
Specificity	<p>Mouse anti Bovine IgA, clone IL-A71, is specific for bovine immunoglobulin A (IgA).</p> <p>IgA is the predominant surface secreted immunoglobulin from the intestinal, urogenital and respiratory tracts. IgA functions in a protective capacity, primarily, by preventing viruses and bacteria from adhering to epithelial tissues. High concentrations of IgA are found in saliva, colostrum, milk, tear duct fluid, urine and nasal fluid.</p> <p>Clone IL-A71 is reported to immunoprecipitate bands of approximately 62kDa and 75kDa, which is consistent with the heavy chain and the secretory component of IgA (Williams et al. 1990).</p> <p>In addition to clone IL-A71 which is specific for bovine IgA, monoclonal antibodies recognizing the other major bovine immunoglobulin classes and sub-classes are also available from Bio-Rad.</p>
References	<ol style="list-style-type: none"> Williams, D.J. <i>et al.</i> (1990) Quantitation of bovine immunoglobulin isotypes and allotypes using monoclonal antibodies. Vet Immunol Immunopathol. 24 (3): 267-83. van Dissel, J.T. <i>et al.</i> (2005) Bovine antibody-enriched whey to aid in the prevention of a relapse of <i>Clostridium difficile</i>-associated diarrhoea: preclinical and preliminary clinical data. J Med Microbiol. 54 (Pt 2): 197-205. Sridevi, N.V. <i>et al.</i> (2014) Development of anti-bovine IgA single chain variable fragment and its application in diagnosis of foot-and-mouth disease. Eur J Microbiol Immunol (Bp). 4 (1): 34-44. Hägglund, S. <i>et al.</i> (2011) Bovine respiratory syncytial virus ISCOMs-Immunity, protection and safety in young conventional calves. Vaccine. 29 (47): 8719-30. Mwirigi, M. <i>et al.</i> (2016) Capsular polysaccharide from <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> shows potential for protection against contagious bovine pleuropneumonia. Vet Immunol Immunopathol. 178: 64-9. Blodörn, K. <i>et al.</i> (2014) Vaccine safety and efficacy evaluation of a recombinant bovine respiratory syncytial virus (BRSV) with deletion of the SH gene and subunit vaccines based on recombinant human RSV proteins: N-nanorings, P and M2-1, in calves with maternal antibodies. PLoS One. 9 (6): e100392. Ribeiro, L.E. <i>et al.</i> (2021) Selection and characterization of peptides mimetic to <i>Campylobacter fetus</i>. subsp. <i>venerealis</i>. using phage display. Ciênia Rural 51 (8) [Epub ahead of print].
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20479 available at: https://www.bio-rad-antibodies.com/SDS/MCA2438P 20479
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

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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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