

Datasheet: AAI19B

BATCH NUMBER 165111

Description:	SHEEP ANTI BOVINE IgM:Biotin
Specificity:	IgM
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1:10000 - 1:100000
Western Blotting	▪			1:10000 - 1:100000

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
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Product Form	Purified IgG conjugated to Biotin - liquid
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Antiserum Preparation	Antisera to bovine IgM were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Purified bovine IgM.
RRID	AB_10672760
Specificity	Sheep anti bovine IgM recognizes bovine IgM and shows no cross-reactivity with other bovine immunoglobulin classes in immunoelectrophoresis. Sheep anti bovine IgM may cross-react with IgM from other species.
References	<ol style="list-style-type: none"> 1. Nebl, T. <i>et al.</i> (2002) Proteomic analysis of a detergent-resistant membrane skeleton from neutrophil plasma membranes. J Biol Chem. 277 (45): 43399-409. 2. Assad, A. <i>et al.</i> (2012) Immunophenotyping and characterization of BNP colostrum revealed pathogenic alloantibodies of IgG1 subclass with specificity to platelets, granulocytes and monocytes of all maturation stages. Vet Immunol Immunopathol. 147: 25-34. 3. Hamsten, C. <i>et al.</i> (2009) Recombinant surface proteomics as a tool to analyze humoral immune responses in bovines infected by <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> small colony type. Mol Cell Proteomics. 8: 2544-54. 4. Mansilla FC <i>et al.</i> (2015) Safety and immunogenicity of a soluble native <i>Neospora caninum</i> tachyzoite-extract vaccine formulated with a soy lecithin/β-glucan adjuvant in pregnant cattle. Vet Immunol Immunopathol. 165 (1-2): 75-80. 5. Hossain, M.M. <i>et al.</i> (2016) Multiplex Detection of IgG and IgM to Rift Valley Fever Virus Nucleoprotein, Nonstructural Proteins, and Glycoprotein in Ovine and Bovine. Vector Borne Zoonotic Dis. 16 (8): 550-7. 6. Van Meulder, F. <i>et al.</i> (2015) Analysis of the protective immune response following intramuscular vaccination of calves against the intestinal parasite <i>Cooperia oncophora</i>. Int J Parasitol. 45 (9-10): 637-46. 7. Jankowska, A. <i>et al.</i> (2016) Humoral and cellular immune response to <i>Histophilus somni</i> recombinant heat shock protein 60 kDa in farm animals Veterinárni Medicína. 60 (No. 11): 603-12. 8. Çokçalışkan, C. <i>et al.</i> (2019) Effect of simultaneous administration of foot-and-mouth disease (FMD) and anthrax vaccines on antibody response to FMD in sheep. Clin Exp Vaccine Res. 8 (2): 103-9. 9. Springer, A. <i>et al.</i> (2022) Immunization Trials with Recombinant Major Sperm Protein of the Bovine Lungworm <i>Dictyocaulus viviparus</i>. Pathogens 2022, 11, 55. 10. Di Giacomo, S <i>et al.</i> (2022) Assessment on Different Vaccine Formulation Parameters in the Protection against Heterologous Challenge with FMDV in Cattle Viruses. 14 (8): 1781.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AAI19B 10041

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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

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