

Datasheet: AAI19B

BATCH NUMBER 160150

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

Product Form Purified IgG conjugated to Biotin - liquid

Antiserum Preparation Antisera to bovine IgM were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide (NaN₃)

Stabilisers 0.2% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

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	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AAI19B</p> <p>10041</p>

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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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