

Datasheet: AAI19B

BATCH NUMBER 155027

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| 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.

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| 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 |

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| 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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