

## Datasheet: AA119

|                      |                       |
|----------------------|-----------------------|
| <b>Description:</b>  | SHEEP ANTI BOVINE IgM |
| <b>Specificity:</b>  | IgM                   |
| <b>Format:</b>       | Purified              |
| <b>Product Type:</b> | Polyclonal Antibody   |
| <b>Isotype:</b>      | Polyclonal IgG        |
| <b>Quantity:</b>     | 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](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             |     |    | ▪              |                    |
| Immunohistology - Frozen   |     |    | ▪              |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      | ▪   |    |                | 1/100 - 1/1000     |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           |     |    | ▪              |                    |
| Immunodiffusion            | ▪   |    |                |                    |

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 the appropriate negative/positive controls.

|                                       |  |
|---------------------------------------|--|
| <b>Target Species</b>                 | Bovine   |
| <b>Product Form</b>                   | Purified IgG - liquid  |
| <b>Antiserum Preparation</b>          | Antisera to bovine IgM were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography. |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | Purified bovine IgM.   |

### 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.

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**References**

1. Nebl, T. *et al.* (2002) Proteomic analysis of a detergent-resistant membrane skeleton from neutrophil plasma membranes. [J Biol Chem. 277 \(45\): 43399-409.](#)
2. Assad, A. *et al.* (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. *et al.* (2009) Recombinant surface proteomics as a tool to analyze humoral immune responses in bovines infected by *Mycoplasma mycoides* subsp. *mycoides* small colony type. [Mol Cell Proteomics. 8: 2544-54.](#)
4. Mansilla FC *et al.* (2015) Safety and immunogenicity of a soluble native *Neospora caninum* tachyzoite-extract vaccine formulated with a soy lecithin/ $\beta$ -glucan adjuvant in pregnant cattle. [Vet Immunol Immunopathol. 165 \(1-2\): 75-80.](#)
5. Hossain, M.M. *et al.* (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. Jul 5. \[Epub ahead of print\]](#)
6. Van Meulder, F. *et al.* (2015) Analysis of the protective immune response following intramuscular vaccination of calves against the intestinal parasite *Cooperia oncophora*. [Int J Parasitol. 45 \(9-10\): 637-46.](#)
7. Jankowska, A. *et al.* (2016) Humoral and cellular immune response to *Histophilus somni* recombinant heat shock protein 60 kDa in farm animals [Veterinární Medicína. 60 \(No. 11\): 603-12.](#)
8. Trotta, M. *et al.* (2015) Simultaneous immunization of cattle with foot-and-mouth disease (FMD) and live anthrax vaccines do not interfere with FMD booster responses [Trials in Vaccinology. 4: 38-42.](#)

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**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.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[FITC](#), [HRP](#)

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