Datasheet: AAI19P

Description:	SHEEP ANTI BOVINE IgM:HRP
Specificity:	IgM
Format:	HRP
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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/10,000 - 1/100,000
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 the appropriate negative/positive controls.

Target Species

Bovine

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Antiserum Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.05% Proclin™ 300
0.2% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

Purified bovine IgM.

RRID	AB_323075
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	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 colostra revealed pathogenic alloantibodies of IgG1 subclass with specifity 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/β-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.
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
Acknowledgements	Proclin™ 300 is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow.
Health And Safety Information	Material Safety Datasheet documentation #20391 available at: 20391: https://www.bio-rad-antibodies.com/uploads/MSDS/20391.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)
TMB SIGNAL+ (BUF054A)

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