Datasheet: AAI48

BATCH NUMBER 169194

Description:	GOAT ANTI PIG IgM
Specificity:	IgM
Format:	Purified
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	▪			1/200 - 1/2000
Immunohistology - Paraffin			▪	
ELISA (1)	▪			1/1000 - 1/30,000
Immunoprecipitation			▪	
Western Blotting	▪			1/1000 - 1/30,000
Immunocytochemistry			▪	

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 appropriate negative/positive controls.
(1)For coating plates a 1/100 - 1/500 dilution is recommended.

Target Species

Pig

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to porcine IgM were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography using antigen coupled to agarose beads.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified Porcine IgM
Specificity	**Goat anti Pig IgM antibody** recognizes porcine IgM and shows no cross-reactivity with other porcine immunoglobulin classes in immunoelectrophoresis. This antibody may cross-react with IgM from other species.
References	1. Williams, A.R. *et al.* (2017) Dietary cinnamaldehyde enhances acquisition of specific antibodies following helminth infection in pigs. Vet Immunol Immunopathol. 189: 43-52. 2. Corsaut, L. *et al.* (2020) Field Study on the Immunological Response and Protective Effect of a Licensed Autogenous Vaccine to Control *Streptococcus suis* Infections in Post-Weaned Piglets. Vaccines (Basel). 8 (3)Jul 14 [Epub ahead of print]. 3. Corsaut, L. *et al.* (2021) Immunogenicity study of a *Streptococcus suis.* autogenous vaccine in preparturient sows and evaluation of passive maternal immunity in piglets. BMC Vet Res. 17 (1): 72. 4. Forner, R. *et al.* (2021) Distribution difference of colostrum-derived B and T cells subsets in gilts and sows. PLoS One. 16 (5): e0249366. 5. López-Serrano, S. *et al.* (2023) Immune responses following neonatal vaccination with conserved F4 fragment of VtaA proteins from virulent *Glaesserella parasuis* adjuvanted with CAF®01 or CDA. Vaccine X. 14: 100330. 6. Fabà, L. *et al.* (2023) Metabolic insights and background from naturally affected pigs during *Streptococcus suis* outbreaks Translational Animal Science. txad126. 7. Urbano, A.C. *et al.* (2023) Targeted mutagenesis of the β-strand DNA binding region of African swine fever virus histone-like protein (pA104R) impairs DNA-binding activity and antibody recognition. Antiviral Res. : 105784. 8. Maciag, S. *et al.* (2022) Effects of freezing storage on the stability of maternal cellular and humoral immune components in porcine colostrum. Vet Immunol Immunopathol. 254: 110520. 9. Stepanova, K. *et al.* (2023) Modified live vaccine strains of porcine reproductive and respiratory syndrome virus cause immune system dysregulation similar to wild strains. Front Immunol. 14: 1292381.
Storage	Store at +4ºC. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AAI48
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) FITC, HRP

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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