

Datasheet: AAI41P

Description:	GOAT ANTI PIG IgG (Fc):HRP
Specificity:	IgG (Fc)
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	Pig
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Antiserum Preparation Antisera to porcine IgG 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	0.05% Pro-Clean 400
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified porcine IgG.

Specificity

Goat anti Pig IgG (Fc) antibody recognizes the Fc region of the porcine IgG heavy chains and shows no cross - reactivity with other porcine immunoglobulin classes as evaluated by immunoelectrophoresis. Goat anti Pig IgG (Fc) has not been species cross adsorbed and may react with the Fc region of IgG from other species.

Goat anti Pig IgG (Fc) antibody has been used extensively as a detection reagent for porcine IgG

in ELISA, for example monitoring of the IgG response in influenza infected pigs ([Crisci et al. 2013](#)).

References

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13. Fleury, A. *et al.* (2015) *Taenia solium*: Development of an Experimental Model of Porcine Neurocysticercosis. [PLoS Negl Trop Dis. 9 \(8\): e0003980.](#)
14. Zhang Y *et al.* (2016) Generation of *E. coli*-derived virus-like particles of porcine circovirus type 2 and their use in an indirect IgG enzyme-linked immunosorbent assay. [Arch Virol. Mar 14. \[Epub ahead of print\]](#)
15. Lee, J-A. *et al.* (2016) *Mycoplasma hyorhinis* is a potential pathogen of porcine respiratory disease complex that aggravates pneumonia caused by porcine reproductive and respiratory syndrome virus [Vet Immunol immunopathol. Jun 16 \[Epub ahead of print\]](#)
16. Lorenzen E *et al.* (2017) Intrauterine inoculation of minipigs with *Chlamydia trachomatis* during diestrus establishes a longer lasting infection compared to vaginal inoculation during estrus. [Microbes Infect. Feb 9. pii: S1286-4579\(17\)30025-4. \[Epub ahead of print\]](#)

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.

Shelf Life

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

Material Safety Datasheet documentation #20391 available at:
20391: <https://www.bio-rad-antibodies.com/uploads/MSDS/20391.pdf>

Information

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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