Datasheet: AAI38

Description:	GOAT ANTI HORSE IgG (T)
Specificity:	IgG (T)
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			▪	
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.

Target Species

Horse

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to equine IgG (T) 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

IgG concentration 1.0 mg/ml

Concentrations	
Immunogen	Purified equine IgG (T).
RRID	AB_323023
Specificity	**Goat anti Horse IgG (T) antibody** recognizes equine IgG (T). No cross-reactivity with other equine immunoglobulin classes is seen in immuno-electrophoresis. Goat anti Horse IgG (T) antibody may cross react with IgG from other species.
References	1. Hooper-McGrevy, K.E. *et al.* (2003) Immunoglobulin G subisotype responses of pneumonic and healthy, exposed foals and adult horses to *Rhodococcus equi* virulence-associated proteins. Clin Diagn Lab Immunol. 10 (3): 345-51. 2. Jacks, S. *et al.* (2007) Experimental infection of neonatal foals with *Rhodococcus equi* triggers adult-like gamma interferon induction. Clin Vaccine Immunol. 14: 669-77. 3. Lewis, M.J. *et al.* (2007) The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. Mol Immunol. 45: 818-27. 4. Ryan, C. & Giguère, S. (2010) Equine neonates have attenuated humoral and cell-mediated immune responses to a killed adjuvanted vaccine compared to adult horses. Clin Vaccine Immunol. 17 (12): 1896-902. 5. Cauchard S *et al.* (2014) Assessment of the safety and immunogenicity of *Rhodococcus equi*-secreted proteins combined with either a liquid nanoparticle (IMS 3012) or a polymeric (PET GEL A) water-based adjuvant in adult horses and foals--identification of promising new candidate antigens. Vet Immunol Immunopathol. 157 (3-4): 164-74. 6. Meulenbroeks C *et al.* (2015) Allergen-Specific Cytokine Polarization Protects Shetland Ponies against *Culicoides obsoletus*-Induced Insect Bite Hypersensitivity. PLoS One. 10 (4): e0122090. 7. Burk, S.V. *et al.* (2016) Equine antibody response to larval *Parascaris equorum* excretory-secretory products. Vet Parasitol. 226: 83-7. 8. Lightbody, K.L. *et al.* (2016) Validation of a novel saliva-based ELISA test for diagnosing tapeworm burden in horses. Vet Clin Pathol. 45 (2): 335-46. 9. Tzelos, T. *et al.* (2020) Characterisation of serum IgG(T) responses to potential diagnostic antigens for equine cyathostominosis. Int J Parasitol. 50 (4): 289-98. 10. Vasić, A. *et al.* (2022) West Nile virus in the Republic of Serbia-Diagnostic performance of five serological tests in dog and horse sera. Transbound Emerg Dis. 69 (5): e2506-e2515. 11. Mizuguchi, Y. *et al.* (2024) IgG Subtype Response against Virulence-Associated Protein A in Foals Naturally Infected with *Rhodococcus equi* Veterinary Sciences. 11 (9): 422.
Storage	This product is shipped at ambient temperature. Store at +4^{o}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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/AAI38 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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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