

Datasheet: AAI38AB

Description:	GOAT ANTI HORSE IgG (T):Alk. Phos.
Specificity:	IgG (T)
Format:	Alk. Phos.
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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
ELISA	▪			1/1000 - 1/10000

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
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Product Form	Purified IgG conjugated to Alkaline Phosphatase - liquid
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Antiserum Preparation	Antisera to equine IgG (T) were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
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Buffer Solution	50mM HEPES, 0.1M NaCl, 1mM MgCl ₂ , 0.1mM ZnCl ₂
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Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5mg/ml
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Immunogen	Purified equine IgG (T).
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RRID	AB_10852256
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Specificity	Goat anti Horse IgG (T) antibody recognizes equine IgG (T). No cross-reactivity with
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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 cyathostomiasis. [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

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

Health And Safety Information

Material Safety Datasheet documentation #10089 available at:
<https://www.bio-rad-antibodies.com/SDS/AAI38AB>
10089

Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M428076:240301'

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