

## Datasheet: AAI38AB

<b>Description:</b>	GOAT ANTI HORSE IgG (T):Alk. Phos.
<b>Specificity:</b>	IgG (T)
<b>Format:</b>	Alk. Phos.
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

### Product Form

Purified IgG conjugated to Alkaline Phosphatase - 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.

### Buffer Solution

50mM HEPES, 0.1M NaCl, 1mM MgCl<sub>2</sub>, 0.1mM ZnCl<sub>2</sub>

### Preservative Stabilisers

0.09% Sodium Azide  
0.2% Bovine Serum Albumin

### Approx. Protein Concentrations

IgG concentration 0.5mg/ml

### Immunogen

Purified equine IgG (T).

### 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 subsotype 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. 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.](#)
8. Burk, S.V. *et al.* (2016) Equine antibody response to larval *Parascaris equorum* excretory-secretory products. [Vet Parasitol. 226: 83-7.](#)
9. 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.](#)

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**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.

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**Shelf Life**

12 months from date of despatch.

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**Health And Safety Information**

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

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**Regulatory**

For research purposes only

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