

Datasheet: AAI34

**BATCH NUMBER 168796**

<b>Description:</b>	GOAT ANTI HORSE IgA
<b>Specificity:</b>	IgA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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			▪	

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 IgA 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<sub>3</sub>)

### Approx. Protein

IgG concentration 1.0 mg/ml

## Concentrations

**Immunogen** Purified equine IgA.

**RRID** AB\_323032

**Specificity** **Goat anti Horse IgA antibody** recognizes equine IgA and shows no cross-reactivity with other equine immunoglobulin classes in immunoelectrophoresis. Goat anti Horse IgA antibody may cross-react with IgA from other species.

## References

1. Lewis, M.J. *et al.* (2010) IgA in the horse: cloning of equine polymeric Ig receptor and J chain and characterization of recombinant forms of equine IgA. [Mucosal Immunol. 3: 610-21.](#)
2. van der Kolk, J.H. *et al.* (2012) Gluten-dependent antibodies in horses with inflammatory small bowel disease (ISBD). [Vet Q. 32: 3-11.](#)
3. Keggan, A. *et al.* (2013) Production of seven monoclonal equine immunoglobulins isotyped by multiplex analysis. [Vet Immunol Immunopathol. 153 \(3-4\): 187-93.](#)
4. Palm, A.E. *et al.* (2016) Secretory immunoglobulin A and immunoglobulin G in horse saliva. [Vet Immunol Immunopathol. 180: 59-65.](#)
5. Pawlas-Opiela, M. *et al.* (2022) The relationship between the intensity of *Gasterophilus intestinalis* larvae infection and the serum and salivary humoral immune response in horses. [Sci Rep. 12 \(1\): 17573.](#)
6. May, A. *et al.* (2024) Effect of hospitalization on equine local intestinal immunoglobulin A (IgA) concentration measured in feces. [J Equine Vet Sci. : 105078.](#)

## 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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AAI34>  
10040

## Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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