

Datasheet: AAI38F

Description:	GOAT ANTI HORSE IgG (T):FITC
Specificity:	IgG (T)
Format:	FITC
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	▪			1/20 - 1/100
Immunohistology - Frozen	▪			1/20 - 1/200
Immunohistology - Paraffin			▪	

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

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	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Purified equine IgG (T).
RRID	AB_323022
Specificity	<p>Goat anti Horse IgG (T) antibody recognizes equine IgG (T). No cross-reactivity with other equine immunoglobulin classes is seen in immuno-electrophoresis.</p> <p>Goat anti Horse IgG (T) antibody may cross react with IgG from other species.</p>
References	<ol style="list-style-type: none"> 1. Hooper-McGrevy, K.E. <i>et al.</i> (2003) Immunoglobulin G subisotype responses of pneumonic and healthy, exposed foals and adult horses to <i>Rhodococcus equi</i> virulence-associated proteins. Clin Diagn Lab Immunol. 10 (3): 345-51. 2. Jacks, S. <i>et al.</i> (2007) Experimental infection of neonatal foals with <i>Rhodococcus equi</i> triggers adult-like gamma interferon induction. Clin Vaccine Immunol. 14: 669-77. 3. Lewis, M.J. <i>et al.</i> (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 <i>et al.</i> (2014) Assessment of the safety and immunogenicity of <i>Rhodococcus equi</i>-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 <i>et al.</i> (2015) Allergen-Specific Cytokine Polarization Protects Shetland Ponies against <i>Culicoides obsoletus</i>-Induced Insect Bite Hypersensitivity. PLoS One. 10 (4): e0122090. 7. Burk, S.V. <i>et al.</i> (2016) Equine antibody response to larval <i>Parascaris equorum</i> excretory-secretory products. Vet Parasitol. 226: 83-7. 8. Lightbody, K.L. <i>et al.</i> (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. <i>et al.</i> (2020) Characterisation of serum IgG(T) responses to potential diagnostic antigens for equine cyathostominosis. Int J Parasitol. 50 (4): 289-98. 10. Vasić, A. <i>et al.</i> (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. <i>et al.</i> (2024) IgG Subtype Response against Virulence-Associated Protein A in Foals Naturally Infected with <i>Rhodococcus equi</i> Veterinary Sciences. 11 (9): 422.
Storage	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10041 available at:

Information

<https://www.bio-rad-antibodies.com/SDS/AAI38F>
10041

Regulatory

For research purposes only

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