

## Datasheet: AAI21B

Description:	SHEEP ANTI BOVINE IgG1:Biotin
Specificity:	lgG1
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

## **Product Details**

Applications	This product has been re	ported to	work in th	e following application	ns. This information is
	derived from testing withi	n our labo	oratories,	peer-reviewed publica	ations or personal
	communications from the	originato	rs. Please	e refer to references ir	ndicated for further
	information. For general p	-			
	rad-antibodies.com/proto				
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry			•	
	Immunohistology - Frozen			•	
	Immunohistology - Paraffin				
	ELISA	•			1:10000 - 1:100000
	Western Blotting				1:10000 - 1:100000
	Where this product has n	ot been te	ested for u	use in a particular tech	nnique this does not
	necessarily exclude its us	se in such	procedui	es. Suggested workir	ng dilutions are given as
	a guide only. It is recomm	nended the	at the use	r titrates the product	for use in their own
	system using appropriate	negative/	positive o	controls.	
Target Species	Bovine				
Product Form	Purified IgG fraction conju	ugated to	Biotin - lio	quid	
Antiserum Preparation	Antisera to bovine IgG1 v purified antigen. Purified				
Buffer Solution	Phosphate buffered salin	е			
Preservative Stabilisers	0.09% Sodium Azide (Na	N <sub>3</sub> )			
Approx. Protein Concentrations	IgG concentration 1.0 mg	ı/ml			
Immunogen	Purified bovine IgG1.				

RRID	AB_10672441
Specificity	Sheep anti Bovine IgG1 polyclonal antibody recognizes bovine IgG1.
	No cross-reactivity with other bovine immunoglobulin classes is seen in immunoelectrophoresis. This product may cross-react with IgG1 from other species.
References	<ol> <li>Vordermeier, H.M. <i>et al.</i> (2003) Improved immunogenicity of DNA vaccination with mycobacterial HSP65 against bovine tuberculosis by protein boosting. <u>Vet Microbiol. 93</u>: 349-59.</li> <li>van Diemen, P.M. <i>et al.</i> (2007) Subunit vaccines based on intimin and Efa-1 polypeptides induce humoral immunity in cattle but do not protect against intestinal colonisation by enterohaemorrhagic <i>Escherichia coli</i> O157:H7 or O26:H <u>Vet Immunol Immunopathol. 116: 47-58.</u></li> <li>von Holtum, C. <i>et al.</i> (2008) Development and evaluation of a recombinant antigen-based ELISA for serodiagnosis of cattle lungworm. <u>Vet Parasitol. 151: 218-26.</u></li> <li>Patarroyo, J.H. <i>et al.</i> (2009) Immune response of bovines stimulated by synthetic vaccine SBm7462 against <i>Rhipicephalus (Boophilus) microplus.</i> <u>Vet Parasitol. 165: 333-9.</u></li> <li>Almería, S. <i>et al.</i> (2009) Specific anti-Neospora caninum IgG1 and IgG2 antibody responses during gestation in naturally infected cattle and their relationship with gamma interferon production. <u>Vet Immunol Immunopathol.</u> 130: 35-42.</li> <li>Fiedor, C. <i>et al.</i> (2009) Evaluation of a milk ELISA for the serodiagnosis of <i>Dictyocaulus viviparus</i> in dairy cows. <u>Vet Parasitol.</u> 166: 255-61.</li> <li>Makepeace, B.L. <i>et al.</i> (2009) Immunisation with a multivalent, subunit vaccine reduced patent infection in a natural bovine model of Onchocerciasis during intense field exposure. <u>PLoS Negl. Trop. Dis.</u> 3: e544.</li> <li>Riffault, S. <i>et al.</i> (2010) A new subunit vaccine based on nucleoprotein nanoparticles confers partial clinical and viological protection in calves against bovine respiratory syncytial virus. <u>Vaccine.</u> 28: 3722-34.</li> <li>Ploegaert, T.C. <i>et al.</i> (2010) Mik derived antigen-specific antibodies, methods of preparation and uses thereof. <u>US Patent application no:</u> US20100129377 A1</li> <li>Colwell, D.D. <i>et al.</i> (2010) Mik derived antigen-specific antibodies, methods of preparation and uses thereof. <u>US Patent application no:</u> US2010012</li></ol>

cytokine profiles in cattle naturally infested by *Hypoderma sp*. (Diptera: Oestridae). <u>Vet</u> <u>Parasitol. 184: 230-7.</u>

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 Jiménez-Pelayo, L. *et al.* (2019) Early *Neospora caninum* infection dynamics in cattle after inoculation at mid-gestation with high (Nc-Spain7)- or low (Nc-Spain1H)-virulence

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Storage	This product is shipped at ambient temperature.
	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

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