

# Datasheet: AAI23F BATCH NUMBER 151123

Description:	SHEEP ANTI BOVINE IgG:FITC
Specificity:	IgG
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 <a href="https://www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry				
Immunohistology - Frozen				1/200 - 1/2,000
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	Bovine			
Product Form	Purified IgG fraction	on conjugated to Fluoresc	ein Isothiocyanate Iso	omer 1 (FITC) - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	FITC	490	525	

**Antiserum Preparation** Antisera to bovine IgG were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Purified bovine IgG.
RRID	AB_323064
Specificity	<b>Sheep anti Bovine IgG polyclonal antibody</b> recognizes bovine IgG and shows no cross - reactivity with other bovine immunoglobulin classes in immunoelectrophoresis. This polyclonal antibody has not been cross adsorbed and may therefore react with IgG from other species

antibody reactivity in cattle by ELISA (Vrieling et al. 2013).

#### References

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Sheep anti Bovine IgG has been usefully employed for the detection of antigen specific

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- 7. Vrieling, M. *et al.* (2013) Hsp70 vaccination-induced primary immune responses in efferent lymph of the draining lymph node. <u>Vaccine</u>. 31 (42): 4720-7.
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- 9. Hosking, C.G. *et al.* (2015) Using the local immune response from the natural buffalo host to generate an antibody fragment library that binds the early larval stages of Schistosoma japonicum. <u>Int J Parasitol. 45 (11): 729-40.</u>
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- 12. Somda, M.B. *et al.* (2016) Identification of a Tsal152-75 salivary synthetic peptide to monitor cattle exposure to tsetse flies. <u>Parasit Vectors. 9 (1): 149.</u>
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### 10248-10258.

15. Alo, K *et al.* (2018) Passive protective effect of anti-K99 antibodies against enterotoxigenic *E.coli.* infection in neonatal calves <u>Ir J of Vet Med, 12(2), 97-107</u>

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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.

**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/AAI23F

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