

Datasheet: AAI49AB

Description:	SHEEP ANTI BOVINE IgA:Alk. Phos.
Specificity:	IgA
Format:	Alk. Phos.
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/100 - 1/1000
Immunohistology - Paraffin			▪	
ELISA	▪			1/1000 - 1/10,000
Immunoprecipitation			▪	
Western Blotting	▪			1/1000 - 1/10,000
Immunocytochemistry	▪			1/100 - 1/1000

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Bovine
Product Form	Purified IgG conjugated to Alkaline Phosphatase - liquid
Antiserum Preparation	Antisera to bovine IgA were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	50mM HEPES, 0.1M NaCl, 1mM MgCl ₂ , 0.1mM ZnCl ₂
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	Purified bovine IgA
Specificity	<p>Sheep anti Bovine IgA antibody recognizes bovine IgA and shows no cross reactivity with other bovine immunoglobulin classes in immunoelectrophoresis. This antibody may recognize IgA from other species, though this has not been verified.</p> <p>IgA is the predominant surface secreted immunoglobulin from the intestinal, urogenital and respiratory tracts. IgA functions in a protective capacity, primarily, by preventing viruses and bacteria from adhering to epithelial tissues. High concentrations of IgA are found in saliva, colostrum, milk, tear duct fluid, urine and nasal fluid.</p> <p>In addition to this polyclonal antibody, we have a monoclonal Mouse anti Bovine IgA , clone IL-A71 antibody (MCA2438GA) available which is specific for bovine IgA, also available in a peroxidase conjugated format.</p>
References	<ol style="list-style-type: none"> 1. Calvo-Lorenzo, M.S. <i>et al.</i> (2016) Wooden hutch space allowance influences male Holstein calf health, performance, daily lying time, and respiratory immunity. J Dairy Sci. 99 (6): 4678-92. 2. González-Hernández A <i>et al.</i> (2016) Host protective ASP-based vaccine against the parasitic nematode <i>Ostertagia ostertagi</i> triggers NK cell activation and mixed IgG1-IgG2 response. Sci Rep. 6: 29496.
Further Reading	1. Morton, H.C. <i>et al.</i> (2004) Cloning and characterization of an immunoglobulin A Fc receptor from cattle. Immunology. 111 (2): 204-11.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10089 available at: 10089: https://www.bio-rad-antibodies.com/uploads/MSDS/10089.pdf
Regulatory	For research purposes only

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M360303:191105'

Printed on 22 Sep 2021