

Mouse anti-Bovine IgA Monoclonal Antibody | anti-IgA antibody

MOUSE ANTI BOVINE/OVINE IgA

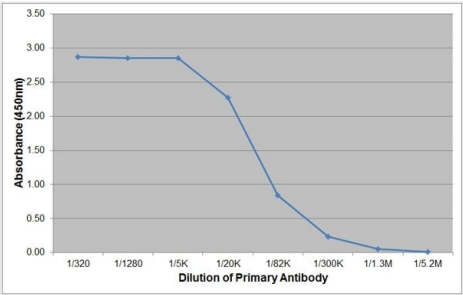
CATALOG # AAA50248	HOST Mouse	REACTIVITY Bovine	APPLICATIONS ELISA
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PRODUCT SYNONYMS

IgA; Monoclonal Antibody; MOUSE ANTI BOVINE/OVINE IgA; anti-IgA antibody

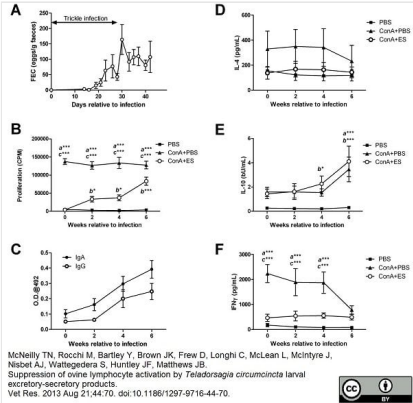
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Bovine
Clonality	Monoclonal
Isotype	IgG1
Clone Number	K84 2F9
Specificity	IgA
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	131
Applicable Applications for anti-IgA antibody	ELISA
Reactivity Notes	Sheep
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Buffer Solution	Phosphate buffered saline
Preparation and Storage	Store at +4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch



Application Data

Purified Bovine IgA detected with Mouse anti Bovine/Ovine IgA followed by Rabbit F(ab'2 anti Mouse IgG:HRP



Application Data

Published customer image: Mouse anti Bovine IgA antibody, clone K84 2F9 used for the measurement of Tci-L4-ES-specific IgA responses in sheep by ELISA. Image caption: The effects of *T. circumcincta* infection on Tci-L4-ES mediated lymphocyte suppression. Seven helminth-naïve lambs were trickle infected with 2000 *T. circumcincta* L3 three times a week for four weeks. PBMC were harvested at 0, 2, 4 and 6 weeks from the start of infection and cultured for 72 h with PBS alone (PBS), 5 µg/mL Con A (Con A + PBS) or 5 µg/mL Con A + 15 µg/mL Tci-L4-ES (Con A + ES). Proliferation was assessed at 72 h by measurement of [³H] thymidine incorporation. Levels of cytokine present in the cell culture supernatants at 54 h were determined by ELISA. (A) Faecal egg count (FEC) data over the course of the experimental infection. (B) Proliferation of PBMC in response to PBS, Con A + PBS and Con A + ES during experimental *T. circumcincta* infection. (C) Levels of serum Tci-L4-ES-specific IgA and IgG during experimental *T. circumcincta* infection. (D-F) Concentrations of IL-4, IL-10 and IFN-gamma in PBMC cultures supernatants. Data represents mean ± SEM. a?significant difference between Con A + PBS vs. PBS-stimulated cultures; b?significant difference between ConA + ES vs. PBS-stimulated cultures; c?significant difference between Con A + PBS vs. Con A + ES stimulated cultures; *P?< 0.05, ** P?< 0.01, ***P?< 0.001 (repeated-measures two-way ANOVA followed by the Bonferroni post hoc test for comparison of means). From: McNeilly TN, Rocchi M, Bartley Y, Brown JK, Frew D, Longhi C, McLean L, McIntyre J, Nisbet AJ, Wattegedera S, Huntley JF, Matthews JB. Suppression of ovine lymphocyte activation by *Teladorsagia circumcincta* larval excretory-secretory products. Vet Res. 2013 Aug 21;44:70..

ADDITIONAL INFORMATION

Related Product Information for anti-IgA antibody	Mouse anti Bovine IgA antibody, clone K84 2F9 recognises bovine and ovine IgA. No cross reactivity is observed with Bovine or Ovine IgG and IgM.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2632187
NCBI Official Full Name	IgA, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/iga-antibody-clone-k84-2f9-elisa/50248>