

Datasheet: AAC10P

Description:	SHEEP ANTI MOUSE IgG (H/L):HRP
Specificity:	IgG (H/L)
Format:	HRP
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
Immunohistology - Frozen (1)	▪			1/40 - 1/80
Immunohistology - Paraffin		▪		
ELISA	▪			1/5000 - 1/10000
Western Blotting	▪			1/5000 - 1/15000

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.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Mouse
Species Cross Reactivity	Does not react with:Human, Bovine, Rabbit
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Antiserum Preparation	Antisera to mouse IgG were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared from whole serum by antigen affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal

Stabilisers

Approx. Protein Concentrations IgG concentration 1mg/ml

Immunogen Polyclonal mouse IgG.

External Database Links

UniProt:

P01869	Related reagents
P01837	Related reagents
P01867	Related reagents
P01724	Related reagents
P01865	Related reagents
P01844	Related reagents
P01864	Related reagents
P01868	Related reagents
P01843	Related reagents
P01863	Related reagents
P01845	Related reagents
P03987	Related reagents

Entrez Gene:

16017	Ighg1	Related reagents
16071	Igk-C	Related reagents
16016	Ighg2b	Related reagents
16142	Iglv1	Related reagents
110786	Iglc2	Related reagents
380793	Igh-1a	Related reagents
16017	Ighg1	Related reagents
110787	Iglc3	Related reagents
380793	Igh-1a	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents
433053	LOC433053	Related reagents

Synonyms Igh-4

RRID AB_321929

Specificity **Sheep anti Mouse IgG (H/L) antibody** recognizes mouse IgG heavy and light chains.

Sheep anti Mouse IgG (H/L) antibody has been shown to cross-react with murine IgA and IgM.

References 1. Hsiao, Y.W. *et al.* (2002) Effect of tumor infiltrating lymphocytes on the expression of

MHC molecules in canine transmissible venereal tumor cells. [Vet Immunol Immunopathol. 87 \(1-2\): 19-27.](#)

2. Baur, K. *et al* (2010) Immediate-Early Expression of a Recombinant Antigen by Modified Vaccinia Virus Ankara Breaks the Immunodominance of Strong Vector-Specific B8R Antigen in Acute and Memory CD8 T-Cell Responses. [J Virol. 84: 8743-52.](#)

3. Pacheco, J.M. *et al.* (2010) IgA antibody response of swine to foot-and-mouth disease virus infection and vaccination. [Clin Vaccine Immunol. 17: 550-8.](#)

4. Kim HR *et al.* (2017) *In vitro* inflammatory effects of polyhexamethylene biguanide through NF- κ B activation in A549 cells. [Toxicol In Vitro. 38: 1-7.](#)

5. Volkmann, A. *et al.* (2020) Recombinant Modified Vaccinia Virus Ankara (mva) Filovirus Vaccine [US Patent Application: US 2020/0268872 A1](#)

6. Park, J.S. *et al.* (2019) Polyhexamethylene guanidine phosphate-induced ROS-mediated DNA damage caused cell cycle arrest and apoptosis in lung epithelial cells. [J Toxicol Sci. 44 \(6\): 415-424.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10094 available at: 10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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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)

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