

Datasheet: 5184-2304

BATCH NUMBER 149279

Description:	RABBIT ANTI SHEEP IgG (H/L):Biotin
Specificity:	IgG (H/L)
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1.5 ml

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	▪			1/200 - 1/1,000
Immunohistology - Frozen	▪			1/500 - 1/5,000
ELISA	▪			1/20,000 - 1/400,000
Western Blotting	▪			1/20,000 - 1/400,000

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 the appropriate negative/positive controls.

Target Species	Sheep
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute in 1.5 ml sterile distilled water.
Preparation	Purified IgG prepared by immunoaffinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.05% Sodium Azide (NaN ₃) 1.5% Bovine Serum Albumin
Immunogen	Whole sheep IgG.

Specificity

Biotinylated Rabbit anti Sheep IgG polyclonal antibody recognizes intact ovine IgG, raised against the whole IgG molecule it may recognize epitopes encompassing both heavy and light chains. The antibody has not been cross adsorbed and may react with immunoglobulins of other subtypes and from other species.

Biotinylated Rabbit anti Sheep IgG polyclonal antibody is a useful and robust reagent for the detection of bound sheep antibodies with labeled streptavidin as a tertiary reagent.

Biotinylated Rabbit anti Sheep IgG polyclonal antibody has been used successfully for evaluation of IgG responses in vaccinated and challenged sheep ([Ramos et al. 2018](#)).

References

1. Ramos, A. et al. (2018) Melatonin enhances responsiveness to *Dichelobacter nodosus* vaccine in sheep and increases peripheral blood CD4 T lymphocytes and IgG-expressing B lymphocytes. [Vet Immunol Immunopathol. 206: 1-8.](#)

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at +4°C or at -20°C if preferred.

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

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20493 available at: <https://www.bio-rad-antibodies.com/SDS/5184-2304>
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Regulatory

For research purposes only

North & South Tel: +1 800 265 7376

America 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

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