

Datasheet: 5184-2304

**BATCH NUMBER 155868**

<b>Description:</b>	RABBIT ANTI SHEEP IgG (H/L):Biotin
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Sheep
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilised
<b>Reconstitution</b>	Reconstitute in 1.5 ml sterile distilled water.
<b>Preparation</b>	Purified IgG prepared by immunoaffinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.05% Sodium Azide (NaN <sub>3</sub> ) 1.5% Bovine Serum Albumin
<b>Immunogen</b>	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>  
20493

**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](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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