

Datasheet: 5184-2504

**BATCH NUMBER 172872**

<b>Description:</b>	RABBIT ANTI SHEEP IgG (H/L):HRP
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	HRP
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/500 - 1/2500
ELISA	▪			1/8000 - 1/40000
Western Blotting	▪			1/1000 - 1/5000

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 Horseradish Peroxidase (HRP) - lyophilized

### Reconstitution

Reconstitute with 1ml of sterile distilled water. For extended storage use 50% glycerol instead of water.

### Antiserum Preparation

Antiserum to sheep IgG was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.01% Gentamicin Sulfate  
1% Bovine Serum Albumin

### Immunogen

Sheep IgG whole molecule.

RRID AB\_619905

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**Specificity** Rabbit anti Sheep IgG antibody recognizes both the light and heavy chains of sheep IgG.

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- References**
1. Vande Walle, K. *et al.* (2011) Rectal inoculation of sheep with *E. coli* O157:H7 results in persistent infection in the absence of a protective immune response. [Vet Microbiol. 147 \(3-4\): 376-82.](#)
  2. Maronde, E. *et al.* (2011) Dynamics in enzymatic protein complexes offer a novel principle for the regulation of melatonin synthesis in the human pineal gland. [J Pineal Res. 51: 145-55.](#)
  3. Balan, P. *et al.* (2009) Orally administered ovine serum immunoglobulins influence growth performance, organ weights, and gut morphology in growing rats. [J Nutr. 139: 244-9.](#)
  4. Balan, P. *et al.* (2014) Recovery of intact IgG in the gastrointestinal tract of the growing rat following ingestion of an ovine serum immunoglobulin. [J Anim Physiol Anim Nutr \(Berl\). 98 \(2\): 209-14.](#)
  5. Verhelst, D. *et al.* (2014) Parasite distribution and associated immune response during the acute phase of *Toxoplasma gondii* infection in sheep. [BMC Vet Res. 10: 293.](#)
  6. Serban, A.I. *et al.* (2015) AGEs-Induced IL-6 Synthesis Precedes RAGE Up-Regulation in HEK 293 Cells: An Alternative Inflammatory Mechanism? [Int J Mol Sci. 16 \(9\): 20100-17.](#)
  7. Serban AI *et al.* (2016) RAGE and TGF- $\beta$ 1 Cross-Talk Regulate Extracellular Matrix Turnover and Cytokine Synthesis in AGEs Exposed Fibroblast Cells. [PLoS One. 11 \(3\): e0152376.](#)
  8. Loureiro, D. *et al.* (2017) Seroprevalence of antibodies against bacterial pathogens in sheep from Equatorial Guinea. [Rev Sci Tech. 36 \(3\): 965-70.](#)
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**Storage** This product is shipped at ambient temperature. Prior to reconstitution store at +4°C. After reconstitution it is recommended to 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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10482 available at: <https://www.bio-rad-antibodies.com/SDS/5184-2504>

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**Regulatory** For research purposes only

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## 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+ \(BUF054A\)](#)

**Product inquiries: [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)**

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