

Datasheet: 5184-2504

BATCH NUMBER 159823

Description:	RABBIT ANTI SHEEP IgG (H/L):HRP
Specificity:	IgG (H/L)
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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) - lyophilised

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

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

- 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- β 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.

Guarantee 12 months from date of despatch

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

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

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