

Datasheet: 5184-2504

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	0.01% Gentamicin Sulfate
Stabilisers	1% Bovine Serum Albumin
Immunogen	Sheep IgG whole molecule.

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.](#)

Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10115 available at: 10115: https://www.bio-rad-antibodies.com/uploads/MSDS/10115.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+ \(BUF054A\)](#)

North & South America	Tel: +1 800 265 7376 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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