

Datasheet: 0220-2424

BATCH NUMBER 166286

Description:	SHEEP ANTI RAT ALBUMIN
Specificity:	ALBUMIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 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
ELISA	▪			1/20 000 - 1/200 000
Western Blotting			▪	

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

Rat

Species Cross Reactivity

Reacts with: Bovine
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified Ig - liquid

Preparation

Purified Ig prepared by affinity chromatography on Protein G

Antiserum Preparation

Antiserum to rat albumin was raised by repeated immunisation of sheep with highly purified antigen.

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 5.0 mg/ml

Immunogen Native albumin from rat serum

External Database Links

UniProt:

[P02770](#) [Related reagents](#)

Entrez Gene:

[24186](#) Alb [Related reagents](#)

RRID AB_2226081

Specificity

Sheep anti Rat albumin antibody recognizes rat albumin, a soluble protein which constitutes approximately 50% of blood serum protein, acting as a regulator of blood colloidal osmotic pressure and hence blood volume. albumin is also an important transporter of substances within the bloodstream, such as fatty acids, thyroid hormones, metal ions and steroids.

References

1. Westin, J.E. *et al.* (2006) Endothelial proliferation and increased blood-brain barrier permeability in the basal ganglia in a rat model of 3,4-dihydroxyphenyl-L-alanine-induced dyskinesia. [J Neurosci. 26: 9448-61.](#)
 2. Eyre J, *et al.* (2007) Statin-sensitive endocytosis of albumin by glomerular podocytes. [Am J Physiol Renal Physiol 292: F674-81.](#)
 3. Alonso, A. *et al.* (2010) Reorganization of gap junctions after focused ultrasound blood-brain barrier opening in the rat brain. [J Cereb Blood Flow Metab. 30: 1394-402.](#)
 4. Obeid, S. *et al.* (2017) Development of a NanoBioAnalytical platform for "on-chip" qualification and quantification of platelet-derived microparticles. [Biosens Bioelectron. 93: 250-9.](#)
 5. Michalski, D. *et al.* (2022) Regionally Altered Immunosignals of Surfactant Protein-G, Vascular and Non-Vascular Elements of the Neurovascular Unit after Experimental Focal Cerebral Ischemia in Mice, Rats, and Sheep. [Int J Mol Sci. 23 \(11\): 5875.](#)
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, 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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/0220-2424>
10040

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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

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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