

Datasheet: 5850-0004

**BATCH NUMBER 162736**

<b>Description:</b>	SHEEP ANTI HUMAN ALPHA 2 MACROGLOBULIN
<b>Specificity:</b>	ALPHA 2 MACROGLOBULIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Purified human alpha-2 macroglobulin

**External Database  
Links**

**UniProt:**  
[P01023](#)   [Related reagents](#)

**Entrez Gene:**  
[2](#)   A2M   [Related reagents](#)

---

**Synonyms**      CPAMD5

---

**RRID**            AB\_620382

---

**Specificity**      **Sheep anti Human alpha 2 macroglobulin antibody** recognizes human alpha-2-macroglobulin, a secreted protease inhibitor known to suppress the function of all four classes of proteinases. Sheep anti Human alpha 2 macroglobulin antibody exhibits minimal cross reactivity with related serum proteins.

---

**References**      1. Nedić, O. *et al.* (2017) Analysis of Four Circulating Complexes of Insulin-Like Growth Factor Binding Proteins in Human Blood during Aging. [Biochemistry \(Mosc\). 82 \(10\): 1200-6.](#)  
2. Nedić, O. *et al.* (2022) Major trace elements and their binding proteins in the early phase of Covid-19 infection. [J Biol Inorg Chem. 27 \(2\): 261-9.](#)

---

**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/5850-0004>  
10040

---

**Regulatory**        For research purposes only

---

## 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](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)

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

'M382535:210513'

**Printed on 01 Mar 2024**

