

Datasheet: OBT1524

**BATCH NUMBER 168381**

<b>Description:</b>	HUMAN IgM PURIFIED IMMUNOGLOBULIN
<b>Name:</b>	IgM
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Isotype:</b>	IgM
<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
ELISA	▪			

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified Protein - liquid
<b>Preparation</b>	Purified IgM prepared by delipidation, selective precipitation and tandem molecular sieve chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	1.0 mg/ml

### External Database Links

**UniProt:**

[P01871](https://www.uniprot.org/uniprot/P01871)

[Related reagents](#)

**Entrez Gene:**

---

<b>RRID</b>	AB_615619
-------------	-----------

---

<b>Product Information</b>	<b>Human IgM Purified Immunoglobulin</b> is purified IgM from myeloma serum. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-human serum and anti-human IgM ( $\mu$ chain specific). No reaction was observed against anti-human IgG F(c). Some light chain cross reactivity will occur with human IgG.
----------------------------	---

---

<b>References</b>	<ol style="list-style-type: none"><li>Litvack, M.L. <i>et al.</i> (2010) Natural IgM and innate immune collectin SP-D bind to late apoptotic cells and enhance their clearance by alveolar macrophages <i>in vivo</i>. <a href="#">Mol Immunol.48: 37-47.</a></li><li>Cui, X. <i>et al.</i> (2016) Cytoplasmic myosin-exposed apoptotic cells appear with caspase-3 activation and enhance CLL cell viability. <a href="#">Leukemia. 30 (1): 74-85.</a></li><li>Augé, E. <i>et al.</i> (2017) New perspectives on corpora amylacea in the human brain. <a href="#">Sci Rep. 7: 41807.</a></li><li>Augé, E. <i>et al.</i> (2018) Astrocytes and neurons produce distinct types of polyglucosan bodies in Lafora disease. <a href="#">Glia. 66 (10): 2094-107.</a></li><li>Riba, M. <i>et al.</i> (2019) <i>Corpora amylacea</i> act as containers that remove waste products from the brain. <a href="#">Proc Natl Acad Sci U S A. 116 (51): 26038-48.</a></li><li>Riba, M. <i>et al.</i> (2022) Wasteosomes (corpora amylacea) of human brain can be phagocytosed and digested by macrophages. <a href="#">Cell Biosci. 12 (1): 177.</a></li></ol>
-------------------	--

---

<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
----------------	---

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10327 available at: <a href="https://www.bio-rad-antibodies.com/SDS/OBT1524">https://www.bio-rad-antibodies.com/SDS/OBT1524</a></p> <p>10327</p> <p>Donor material tested and found negative for HIV antibody, HBsAg, HCV antibody, HIV1 antigen, HTLV1 and 2 antibodies and Syphilis.</p> <p>As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious.</p>
--------------------------------------	---

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

**North & South America** Tel: +1 800 265 7376  
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://bio-rad-antibodies.com/datasheets)  
'M426276:231207'

**Printed on 10 Jul 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)