

Datasheet: OBT1524

BATCH NUMBER 172572

Description:	HUMAN IgM PURIFIED IMMUNOGLOBULIN
Name:	IgM
Format:	Purified
Product Type:	Purified Protein
Isotype:	IgM
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
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.

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

External Database Links

UniProt:

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

[Related reagents](#)

Entrez Gene:

RRID	AB_615619
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Product Information	Human IgM Purified Immunoglobulin is purified IgM from myeloma serum. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-human serum and anti-human IgM (μ chain specific). No reaction was observed against anti-human IgG F(c). Some light chain cross reactivity will occur with human IgG.
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References	<ol style="list-style-type: none">1. 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>. Mol Immunol.48: 37-47.2. Cui, X. <i>et al.</i> (2016) Cytoplasmic myosin-exposed apoptotic cells appear with caspase-3 activation and enhance CLL cell viability. Leukemia. 30 (1): 74-85.3. Augé, E. <i>et al.</i> (2017) New perspectives on corpora amylacea in the human brain. Sci Rep. 7: 41807.4. Augé, E. <i>et al.</i> (2018) Astrocytes and neurons produce distinct types of polyglucosan bodies in Lafora disease. Glia. 66 (10): 2094-107.5. Riba, M. <i>et al.</i> (2019) <i>Corpora amylacea</i> act as containers that remove waste products from the brain. Proc Natl Acad Sci U S A. 116 (51): 26038-48.6. Riba, M. <i>et al.</i> (2022) Wasteosomes (corpora amylacea) of human brain can be phagocytosed and digested by macrophages. Cell Biosci. 12 (1): 177.
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Storage	<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>
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Guarantee	12 months from date of despatch
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Health And Safety Information	<p>Material Safety Datasheet documentation #10327 available at: https://www.bio-rad-antibodies.com/SDS/OBT1524</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>
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Regulatory	For research purposes only
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Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M426276:231207'

