

## Datasheet: MCA509G

<b>Description:</b>	MOUSE ANTI HUMAN COMPLEMENT FACTOR H
<b>Specificity:</b>	COMPLEMENT FACTOR H
<b>Other names:</b>	H FACTOR 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	OX-24
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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
Flow Cytometry		▪		
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			

Where this antibody 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 antibody for use in their own system using 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 A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Human complement factor H.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P08603</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3075</a>    CFH    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	HF, HF1, HF2
<b>RRID</b>	AB_808523
<b>Fusion Partners</b>	NS-0 myeloma fused with spleen cells from BALB/c mice.
<b>Specificity</b>	<p><b>Mouse anti Human Complement Factor H antibody, clone OX-24</b> recognizes the human serum complement protein factor H (155 kDa), binding to a different epitope from MRC OX23. The antibody also recognizes a 43-49 kDa truncated form of factor H present at low level (1-5 µg/ml) in plasma and urine. In an immunoprecipitation system, it recognizes factor H in other primates, but not in cow, sheep, pig, chicken or rabbit sera.</p> <p>Mouse anti Human Complement Factor H antibody, clone OX-24 inhibits the binding of factor H to surface bound C3b, and recognizes Factor H in Western blotting procedures.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Alsenz, J. <i>et al.</i> (1985) Structural and functional analysis of the complement component factor H with the use of different enzymes and monoclonal antibodies to factor H. <a href="#">Biochem J. 232 (3): 841-50.</a></li> <li>2. Johnson, S.A. <i>et al.</i> (2010) Impact of compound heterozygous complement factor H mutations on development of atypical hemolytic uremic syndrome-A pedigree revisited. <a href="#">Mol Immunol. 47 (7-8): 1585-91.</a></li> <li>3. Kelly, U. <i>et al.</i> (2010) Heparan Sulfate, Including That in Bruch's Membrane, Inhibits the Complement Alternative Pathway: Implications for Age-Related Macular Degeneration. <a href="#">J Immunol. 185: 5486-94.</a></li> <li>4. Fontaine, M. <i>et al.</i> (1989) Truncated forms of human complement factor H. <a href="#">Biochem J. 258 (3): 927-30.</a></li> <li>5. Sim, E. <i>et al.</i> (1983) Monoclonal antibodies against the complement control protein factor H (beta 1 H). <a href="#">Biosci Rep. 3 (12): 1119-31.</a></li> <li>6. Hamidov, Z. <i>et al.</i> (2011) Reduced expression of desmocollin 2 is an independent prognostic biomarker for shorter patients survival in pancreatic ductal adenocarcinoma. <a href="#">J Clin Pathol. 64 (11): 990-4.</a></li> <li>7. Gurjar, B.S. <i>et al.</i> (2018) Characterization of genetic predisposition and autoantibody profile in atypical haemolytic-uraemic syndrome. <a href="#">Immunology. 154(4):663-72.</a></li> </ol>
<b>Storage</b>	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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA509G">https://www.bio-rad-antibodies.com/SDS/MCA509G</a> 10040
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)

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