

Datasheet: MCA509G

BATCH NUMBER 161297

Description:	MOUSE ANTI HUMAN COMPLEMENT FACTOR H
Specificity:	COMPLEMENT FACTOR H
Other names:	H FACTOR 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	OX-24
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Human complement factor H.
External Database Links	<p>UniProt: P08603 Related reagents</p> <p>Entrez Gene: 3075 CFH Related reagents</p>
Synonyms	HF, HF1, HF2
RRID	AB_808523
Fusion Partners	NS-0 myeloma fused with spleen cells from BALB/c mice.
Specificity	<p>Mouse anti Human Complement Factor H antibody, clone OX-24 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>
References	<ol style="list-style-type: none"> 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. Biochem J. 232 (3): 841-50. 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. Mol Immunol. 47 (7-8): 1585-91. 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. J Immunol. 185: 5486-94. 4. Fontaine, M. <i>et al.</i> (1989) Truncated forms of human complement factor H. Biochem J. 258 (3): 927-30. 5. Sim, E. <i>et al.</i> (1983) Monoclonal antibodies against the complement control protein factor H (beta 1 H). Biosci Rep. 3 (12): 1119-31. 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. J Clin Pathol. 64 (11): 990-4. 7. Gurjar, B.S. <i>et al.</i> (2018) Characterization of genetic predisposition and autoantibody profile in atypical haemolytic-uraemic syndrome. Immunology. 154(4):663-72.
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
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA509G 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 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
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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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