

Datasheet: MCA509G

BATCH NUMBER 174146

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	UniProt: P08603 Related reagents Entrez Gene: 3075 CFH Related reagents
Synonyms	HF, HF1, HF2
RRID	AB_808523
Fusion Partners	NS-0 myeloma fused with spleen cells from BALB/c mice.
Specificity	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. 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.
References	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. Fontaine, M. <i>et al.</i> (1989) Truncated forms of human complement factor H. Biochem J. 258 (3): 927-30. 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. 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. 5. 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. 6. 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
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA509G
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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

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