

Datasheet: MCA509G

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. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (1989) Truncated forms of human complement factor H. [Biochem J. 258 \(3\): 927-30.](#)
5. Sim, E. *et al.* (1983) Monoclonal antibodies against the complement control protein factor H (beta 1 H). [Biosci Rep. 3 \(12\): 1119-31.](#)
6. Hamidov, Z. *et al.* (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.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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