

## Datasheet: MCA2614

<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>	028B-244.2.10X (10-10)
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_2260573

### 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 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. It is recommended that the user titrates the product 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.

**Buffer Solution** Borate buffered saline

**Preservative Stabilisers** 0.1% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

**Immunogen** Purified human complement factor H from serum.

**External Database  
Links**

**UniProt:**

[P08603](#) [Related reagents](#)

**Entrez Gene:**

[3075](#) CFH [Related reagents](#)

---

**Synonyms**

HF, HF1, HF2

---

**Specificity**

**Mouse anti Human Complement Factor H antibody, clone 028B-244.2.10X (10-10)** recognizes human complement factor H which exists in 2 forms. The most common form, of 150 kDa, and the less common form of 43 kDa. Factor H is secreted by the liver into the blood serum. It is important in regulating the complement pathway, preventing unnecessary inflammation which can damage the host tissue.

Complement factor H functions as a cofactor in the inactivation of C3b by factor I. It makes C3b susceptible to cleavage by factor I, resulting in iC3b. Factor H also inhibits the formation of the C3bBb complex (C3 convertase) and increases the rate of dissociation of both C3 convertase and the (C3b)NBB complex (C5 convertase). This prevents these components of the classical and of alternative complement pathways from forming a positive feedback loop.

Mutations in factor H are associated with hemolytic-uremic syndrome, age-related macular degeneration, membranoproliferative glomerulonephritis (MPGN) type II and chronic hypocomplementemic nephropathy.

---

**Histology Positive  
Control Tissue**

Kidney from post streptococcal glomerulonephritis patients.

---

**Further Reading**

1. Alexander JJ & Quigg RJ (2007) The simple design of complement factor H: Looks can be deceiving. [Mol Immunol. 44 \(1-3\): 123-32.](#)
2. Harrison, R.A. & Lachmann, P.J. (1980) The physiological breakdown of the third component of human complement. [Mol Immunol. 17 \(1\): 9-20.](#)

---

**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
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**

Guaranteed until date of expiry. Please see product label.

---

**Health And Safety  
Information**

Material Safety Datasheet documentation #10334 available at:  
10334: <https://www.bio-rad-antibodies.com/uploads/MSDS/10334.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...)	<a href="#">DyLight®800</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</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>
----------------------------------	---	------------------	---	---------------	---

'M350406:190307'

Printed on 11 Oct 2019

---

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)