

Datasheet: MCA6228GA

Description:	MOUSE ANTI HUMAN COMPLEMENT FACTOR H
Specificity:	COMPLEMENT FACTOR H
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C06-2F3
Isotype:	IgG1
Quantity:	0.1 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
ELISA	▪			1.0 ug/ml

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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified native human complement factor H

**External Database
Links**

UniProt:

[P08603](#)

[Related reagents](#)

Entrez Gene:

[3075](#)

CFH

[Related reagents](#)

Synonyms

HF, HF1, HF2

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human complement Factor H antibody, clone C06-2F3, recognizes, complement factor H, also known as H Factor1. Complement factor H is a major regulatory protein of the alternative activation pathway of the complement cascade. It regulates this pathway by targeting C3 convertase (C3bBb) for degradation and by acting as a co-factor in the cleavage and inactivation of C3b. Complement factor H is a soluble ~155 kDa glycoprotein present in serum at a relatively high concentration, averaging between 200 – 800 ug/ml. It is also expressed locally by many cells types including epithelial cells and platelets ([Ferreira et al. 2010](#), [Parente et al. 2017](#)).

Due to the major regulatory functionality of complement factor H, mutations and polymorphisms of the encoding gene are associated with inappropriate recognition of “self” cell markers in patients and consequently results in complement mediated tissue damage and disease. These mutations are associated with various diseases including atypical haemolytic uremic syndrome and C3 glomerulopathy ([Martinez-Barricate et al. 2008](#), [Cserhalmi et al. 2017](#)).

The purified Mouse anti Human complement factor H antibody, clone C06-2F3 (MCA6228GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human complement factor H antibody, clone C01-4A10 ([MCA6229B](#)) as the detection antibody.

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/MCA6228GA>
10040

Regulatory

For research purposes only

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 (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN COMPLEMENT FACTOR H:Biotin \(MCA6229B\)](#)

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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

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Printed on 18 Jan 2024