

Datasheet: MCA2666

Description:	MOUSE ANTI HUMAN C6
Specificity:	C6
Other names:	COMPLEMENT COMPONENT 6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	056B-214.2.4.2
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

RRID AB_2067310

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			▪	
Functional Assays			▪	

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 ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified human C6.

**External Database
Links**

UniProt:

[P13671](#) [Related reagents](#)

Entrez Gene:

[729](#) C6 [Related reagents](#)

Specificity

Mouse anti Human C6 antibody, clone 056B-214.2.4.2 recognises complement component 6 (C6), a 104 kDa member of the complement C6/C7/C8/C9 family present in blood serum. The factor I modules of C6 bind the C-terminus of the C5b alpha-chain, anchoring the molecule to the membrane; they also binds complement component 7. This enables the formation of the C5b-7 precursor complex. C5b-7 then functions as a receptor for components C8 and C9 which form the complement membrane attack complex (MAC). Deficiency of C6 results in susceptibility to bacterial infection.

Mouse anti Human C6 antibody, clone 056B-214.2.4.2 recognises C6 as a component of the MAC.

**Histology Positive
Control Tissue**

Kidney from post streptococcal glomerulonephritis patients

References

1. DiScipio, R.G. *et al.* (1999) Function of the factor I modules (FIMS) of human complement component C6. [J Biol Chem. 274 \(45\): 31811-8.](#)

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...) [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@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

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

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

North & South Tel: +1 800 265 7376

America 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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