

## Datasheet: MCA6191B

**BATCH NUMBER 64609613**

<b>Description:</b>	MOUSE ANTI HUMAN FIBRINOGEN:Biotin
<b>Specificity:</b>	FIBRINOGEN
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AB10-3C12
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	Fibrinogen purified from human serum

**External Database  
Links**

**UniProt:**

[P02679](#)    [Related reagents](#)  
[P02671](#)    [Related reagents](#)  
[P02675](#)    [Related reagents](#)

**Entrez Gene:**

[2266](#)    FGG    [Related reagents](#)  
[2243](#)    FGA    [Related reagents](#)  
[2244](#)    FGB    [Related reagents](#)

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**Fusion Partners**

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

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**Specificity**

**Mouse anti Human fibrinogen antibody, clone AB10-3C12** recognizes fibrinogen, a 340 kDa glycoprotein secreted by the liver which circulates in plasma as a soluble homodimer. The identical monomer subunits are linked by 17 disulfide bond and each subunit is composed of 3 polypeptide chains referred to as alpha, beta and gamma ([Tiscia & Margaglione 2018](#)).

In response to bleeding, the coagulation cascade is activated which results in the conversion of fibrinogen to fibrin. The resulting fibrin spontaneously forms polymers creating an insoluble gel which combines with platelets to form a spongy mass. This mass is the blood clot which subsequently hardens to prevent further bleeding from the blood vessel ([Tiscia & Margaglione 2018](#)). The impairment of this conversion from fibrinogen to fibrin is associated with a range of pathologies including coagulopathies, ischemic stroke and obstetrical complications. It is also implicated in various neurological diseases such as Alzheimer's, multiple sclerosis and traumatic central nervous system injury ([Petersen et al. 2018](#)).

The biotinylated Mouse anti Human fibrinogen antibody, clone AB10-3C12 (MCA6191B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human fibrinogen antibody, clone AB05-1F11 (MCA6190GA) as the capture antibody.

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6191B>  
10041

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

#### [MOUSE ANTI HUMAN FIBRINOGEN \(MCA6190GA\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

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Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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