

Datasheet: MCA6191B

Description:	MOUSE ANTI HUMAN FIBRINOGEN:Biotin
Specificity:	FIBRINOGEN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	AB10-3C12
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 conjugated to Biotin - 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) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	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](#)

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

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.

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 #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

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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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