

Product datasheet for **TA386116**

Fibrinogen beta chain (FGB) Mouse Monoclonal Antibody [Clone ID: 800000]

Product data:

Product Type:	Primary Antibodies
Clone Name:	800000
Applications:	ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	8E5 was prepared fusing Sp2/o myeloma cells with spleen cells derived from female BALB/c mice immunized with a synthetic β -fibrin peptide sequence GHRPLDKC conjugated to MB-KLH (maleimidobenzoylated keyhole limpet hemocyanin).

Specificity: 8E5 binds to the amino-terminal region of the β -chain of human fibrin at an epitope consisting of GHRPLDKC. Binding is possible in both the monomeric form and the polymeric form of the protein. The epitope recognised by this clone is only accessible upon conversion of fibrinogen to fibrin, which entails the proteolytic removal of fibrinopeptides A & B from fibrinogen by thrombin. The antibody is therefore fibrin specific. Fibrin is a non-globular protein which plays a role in the clotting of blood and circulates as the precursor fibrinogen. Polymerization occurs through the action of the protease thrombin, which results in the active fibrin. Fibrin polymerizes as an insoluble matrix and forms a clot along with platelets over a wound site.

The recombinant scFv version of 8E5 retains the same antigen-binding activity of the parent antibody. 8E5 can bind to fibrin in the monomeric and polymeric form, both in vivo and ex vivo. This antibody can also be used for the immunodetection of fibrin in vivo. Standard ELISA and competitive ELISA using the epitope peptide has been conducted with both the parental antibody and the scFv.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.



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Stability: 3 years from dispatch.

Gene Name: fibrinogen beta chain

Database Link: [Entrez Gene 2244 Human P02675](#)

Synonyms: MGC104327; MGC120405