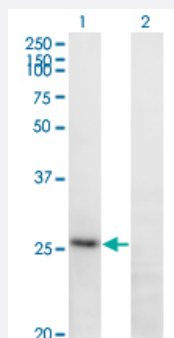


FGA monoclonal antibody (M01), clone 1D12

Catalog # H00002243-M01

Size 100 ug

Applications

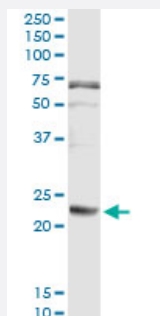


Western Blot (Transfected lysate)

Western Blot analysis of FGA expression in transfected 293T cell line by FGA monoclonal antibody (M01), clone 1D12.

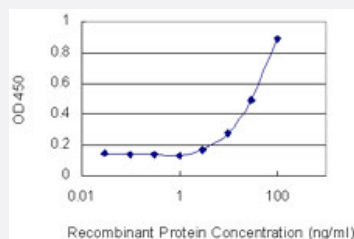
Lane 1: FGA transfected lysate (24.7 KDa).

Lane 2: Non-transfected lysate.



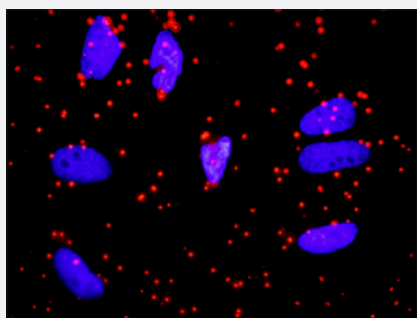
Immunoprecipitation

Immunoprecipitation of FGA transfected lysate using anti-FGA monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FGA MaxPab rabbit polyclonal antibody.



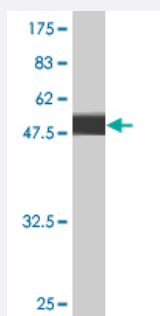
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGA is 1 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between APOA1 and FGA. HeLa cells were stained with anti-APOA1 rabbit purified polyclonal 1:1200 and anti-FGA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (49.72 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant FGA.
Immunogen	FGA (AAH20764, 1 a.a. ~ 218 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MFSMSIVCLVLSVVGTAWTADSGEGDFLAEGGGVRGPRVVERHQSACKDSDWPFCSGEDWNY KCPSGCRMKGLIDEVNQDFTNRINKLKNSLFEYQKNNKDSHSLTTNIMEILRGDFSSANNRDNTYN RVSEDLRSRIEVLKRKVIEKVTANNLLVARVTTEETPHLKARAIKWQMRPEVKPIMKEHIAPREAML NLALSEVSTLLLWGSLPCPPRLS
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.72 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of FGA expression in transfected 293T cell line by FGA monoclonal antibody (M01), clone 1D12.

Lane 1: FGA transfected lysate(24.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of FGA transfected lysate using anti-FGA monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FGA MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGA is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between APOA1 and FGA. HeLa cells were stained with anti-APOA1 rabbit purified polyclonal 1:1200 and anti-FGA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — FGA

Entrez GeneID	2243
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GeneBank Accession#	BC020764
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Protein Accession#	AAH20764
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Gene Name	FGA
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Gene Alias	Fib2, MGC119422, MGC119423, MGC119425
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Gene Description	fibrinogen alpha chain
Omim ID	105200 134820 202400
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the alpha component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in two isoforms which vary in the carboxy-terminus. [provided by RefSeq]
Other Designations	fibrinogen, A alpha polypeptide fibrinogen, alpha chain, isoform alpha preproprotein fibrinogen, alpha polypeptide

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Alzheimer disease](#)
- [Anemia](#)
- [Angina](#)
- [Aortic Diseases](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)

- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Foramen Ovale](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Hemophilia A](#)
- [Hemorrhage](#)
- [Hypertension](#)
- [Ischemia](#)
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- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
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- [Obesity](#)
- [Osteoporosis](#)
- [Postoperative Complications](#)
- [Pulmonary Embolism](#)

- [Stroke](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)