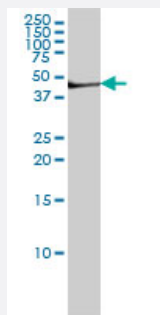


FGG monoclonal antibody (M01), clone 1F2

Catalog # H00002266-M01

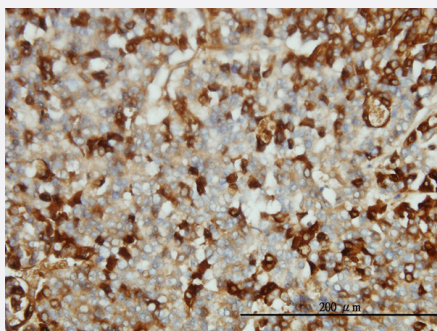
Size 100 ug

Applications



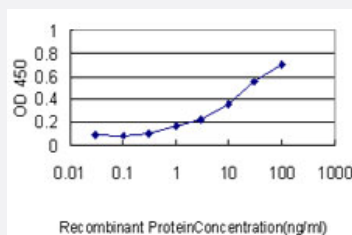
Western Blot (Cell lysate)

FGG monoclonal antibody (M01), clone 1F2 Western Blot analysis of FGG expression in HeLa S3 NE (Cat # L013V3).



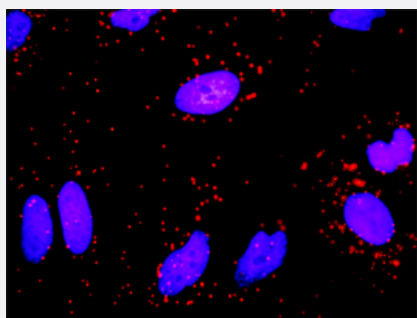
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FGG on formalin-fixed paraffin-embedded human hepatocellular carcinoma tissue. [antibody concentration 1 ug/ml]



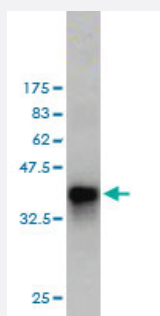
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGG is approximately 0.3ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between ICAM1 and FGG. HeLa cells were stained with anti-ICAM1 rabbit purified polyclonal 1:1200 and anti-FGG 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 (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FGG.
Immunogen	FGG (AAH07044, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RDNCCILDERFGSYCPTTCGIADFLSTYQTKVDKDLQSLEDILHQVENKTSEVKQLIKAIQLTYPDES SSKPNMIDAATLKSRKMLEEIMKYEASILTHD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (71)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 (Cell lysate)

FGG monoclonal antibody (M01), clone 1F2 Western Blot analysis of FGG expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FGG on formalin-fixed paraffin-embedded human hepatocellular carcinoma tissue. [antibody concentration 1 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGG is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between ICAM1 and FGG. HeLa cells were stained with anti-ICAM1 rabbit purified polyclonal 1:1200 and anti-FGG 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 — FGG

Entrez GeneID [2266](#)

GeneBank Accession# [BC007044](#)

Protein Accession# [AAH07044](#)

Gene Name FGG

Gene Alias -

Gene Description fibrinogen gamma chain

Omim ID [134850](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is the gamma 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 and thrombophilia. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations fibrinogen, gamma chain|fibrinogen, gamma polypeptide

Publication Reference

- [Visualization of Neutrophil Extracellular Traps and Fibrin Meshwork in Human Fibrinopurulent Inflammatory Lesions: I. Light Microscopic Study.](#)

Shiogama K, Onouchi T, Mizutani Y, Sakurai K, Inada KI, Tsutsumi Y.

Acta Histochemica et Cytochemica 2016 Aug; 49(4):109.

Application: IHC-P, IEM, Human, Lung tissue of legionnaire's pneumonia

- [Visualization of Neutrophil Extracellular Traps and Fibrin Meshwork in Human Fibrinopurulent Inflammatory Lesions: II. Ultrastructural Study.](#)

Onouchi T, Shiogama K, Matsui T, Mizutani Y, Sakurai K, Inada KI, Tsutsumi Y.

Acta Histochemica et Cytochemica 2016 Aug; 49(4):117.

Application: IHC-P, Human, Human lungs

- [Identification of Novel Diagnostic Biomarkers for Asthma and Chronic Obstructive Pulmonary Disease.](#)

Verrills NM, Irwin JA, He XY, Wood LG, Powell H, Simpson JL, McDonald VM, Sim A, Gibson PG.

American Journal of Respiratory and Critical Care Medicine 2011 Jun; 183(12):1633.

Application: WB, Human, Serum

- [Analysis of proteomic profiles and functional properties of human peripheral blood myeloid dendritic cells, monocyte-derived dendritic cells and the dendritic cell-like KG-1 cells reveals distinct characteristics.](#)

Horlock C, Shakib F, Mahdavi J, Jones NS, Sewell HF, Ghaemmaghami AM.

Genome Biology 2007 Mar; 8(3):R30.

Application: ELISA, Human, Human dendritic cells

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Alzheimer disease](#)
- [Aortic Diseases](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hemophilia A](#)
- [Hypertension](#)
- [Inflammation](#)
- [Ischemia](#)
- [Ischemic Attack](#)
- [Kidney Failure](#)

- [Lymphoma](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)