

# Fibrinogen monoclonal antibody, clone 40F11

Catalog # MAB2945

Size 200 ug

## Specification

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against Fibrinogen.                                                                   |
| Immunogen           | Human Fibrinogen.                                                                                                      |
| Host                | Mouse                                                                                                                  |
| Reactivity          | Human                                                                                                                  |
| Specificity         | This antibody reacts with human fibrinogen and fibrin degradation products.                                            |
| Form                | Liquid                                                                                                                 |
| Isotype             | IgG1                                                                                                                   |
| Recommend Usage     | The optimal working dilution should be determined by the end user.                                                     |
| Storage Buffer      | In PBS, pH 7.4 (0.09% sodium azide)                                                                                    |
| Storage Instruction | Store at 4°C.                                                                                                          |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot
- Sandwich ELISA

## Gene Info — FGA

Entrez GeneID [2243](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | FGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | Fib2, MGC119422, MGC119423, MGC119425                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description   | fibrinogen alpha chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Omim ID            | <a href="#">105200</a> <a href="#">134820</a> <a href="#">202400</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Gene Info — FGB

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2244</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | FGB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Alias         | MGC104327, MGC120405                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description   | fibrinogen beta chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Omim ID            | <a href="#">134830</a> <a href="#">202400</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary       | The protein encoded by this gene is the beta 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 afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency. [provided by RefSeq] |
| Other Designations | fibrinogen, B beta polypeptide fibrinogen, beta chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Gene Info — FGG

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2266</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Name          | FGG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Alias         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Description   | fibrinogen gamma chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">134850</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Summary       | <p>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]</p> |
| Other Designations | fibrinogen, gamma chain fibrinogen, gamma polypeptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Pathway

- [Complement and coagulation cascades](#)
- [Complement and coagulation cascades](#)
- [Complement and coagulation cascades](#)

## Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Aggressive Periodontitis](#)
- [Albuminuria](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Anemia](#)
- [Angina](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Aortic Diseases](#)
- [Aortic Diseases](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Atherosclerosis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [beta-Thalassemia](#)
- [Blood Coagulation Disorders](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Brain Ischemia](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Calcinosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)

- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Carotid Stenosis](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Artery Disease](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Critical Illness](#)
- [Diabetes Complications](#)
- [Diabetes Complications](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Edema](#)
- [Edema](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)

- [Foramen Ovale](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glomerulonephritis](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Hemophilia A](#)
- [Hemophilia A](#)
- [Hemophilia A](#)
- [Hemorrhage](#)
- [Hemorrhage](#)
- [Hepatic Vein Thrombosis](#)
- [Hypercholesterolemia](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertension](#)
- [Hypertension](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Ischemia](#)
- [Ischemia](#)
- [Ischemia](#)

- [Ischemic Attack](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Failure](#)
- [Legg-Perthes Disease](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Macular Degeneration](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mitral Valve Stenosis](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Myocardial Infarction](#)
- [Myocardial Infarction](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obesity](#)
- [Obstetric Labor](#)



- [Osteoporosis](#)
- [Osteoporosis](#)
- [Osteoporosis](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Retinal Vein Occlusion](#)
- [Sepsis](#)
- [Shock](#)
- [Stroke](#)
- [Stroke](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thromboembolism](#)
- [Thromboembolism](#)
- [Thrombophilia](#)

- [Thrombosis](#)
- [Thrombosis](#)
- [Thrombosis](#)
- [Thrombotic Microangiopathies](#)
- [Vascular Diseases](#)
- [Vascular Diseases](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Venous Thrombosis](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)