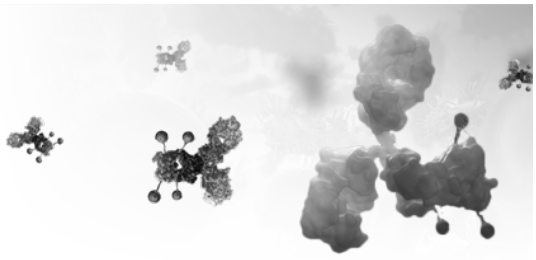

# Anti-FGA monoclonal antibody, clone 40F11 (CABT-49360MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | Mouse anti Human Fibrinogen antibody, clone 40F11 recognizes human fibrinogen, a glycoprotein produced in the liver. Fibrinogen is a hexamer, consisting of two sets of three subunits (alpha, beta and gamma). Thrombin converts fibrinogen into fibrin, which is then cross- linked by factor XIII to form a blood clot. Mouse anti Human Fibrinogen antibody, clone 40F11 also recognizes fibrin degradation products (FDPs), substances that are left behind after a blood clot dissolves. This process, called fibrinolysis, is produced by the action of enzymes such as plasmin on fibrin. One FDP is D-dimer, levels of which can be used to diagnose deep vein thrombosis or pulmonary embolism. The fibrinolytic system is also closely linked to the control of inflammation. |
| **Specificity** | FGA |
| **Immunogen** | Fibrin degradation products |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 40F11 |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA; WB |
| **Format** | Purified IgG - liquid |
| **Size** | 200 µg |
| **Preservative** | 0.09% Sodium Azide |

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|---|---|
| **Storage** | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |

# GENE INFORMATION

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|---|---|
| **Gene Name** | FGA fibrinogen alpha chain [ Homo sapiens (human) ] |
| **Official Symbol** | FGA |
| **Synonyms** | FGA; fibrinogen alpha chain; Fib2; fibrinogen, A alpha polypeptide; |
| **Entrez Gene ID** | 2243 |
| **Protein Refseq** | NP_000499 |
| **UniProt ID** | P02679 |
| **Chromosome Location** | 4q28 |
| **Pathway** | Amyloids; Blood Clotting Cascade; Common Pathway; Complement and coagulation cascades; Disease; Extracellular matrix organization; Formation of Fibrin Clot (Clotting Cascade); GRB2:SOS provides linkage to MAPK signaling for Integrins; |
| **Function** | contributes_to cell adhesion molecule binding; protein binding; protein binding, bridging; contributes_to receptor binding; structural molecule activity; |

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