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Product Information

Anti-Human Fibrinogen Protein A scaffold

Cat. No.: **AFB-06LY**
This product is for research use only and is not intended for diagnostic use.

Antigen Description

Defects in FGA are a cause of congenital afibrinogenemia (CAFBN). This is a rare autosomal recessive disorder characterized by bleeding that varies from mild to severe and by complete absence or extremely low levels of plasma and platelet fibrinogen.
Note: The majority of cases of afibrinogenemia are due to truncating mutations. Variations in position Arg-35 (the site of cleavage of fibrinopeptide a by thrombin) leads to alpha-dysfibrinogenemias.
Defects in FGA are a cause of amyloidosis type 8 (AMYL8); also known as systemic non-neuropathic amyloidosis or Ostertag-type amyloidosis. AMYL8 is a hereditary generalized amyloidosis due to deposition of apolipoprotein A1, fibrinogen and lysozyme amyloids. Viscera are particularly affected. There is no involvement of the nervous system. Clinical features include renal amyloidosis resulting in nephrotic syndrome, arterial hypertension, hepatosplenomegaly, cholestasis, petechial skin rash.

Specific Activity

This Anti-Fibrinogen Protein A scaffold Molecule is modified with a unique C-terminal cysteine for directed single-point chemical modification, facilitating coupling to matrices. However, tail-to-tail dimers are spontaneously generated via a disulphide bridge betwe

Source

Display library

Species Reactivity

Human

Expression Host

E. coli

Storage

Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

FGA fibrinogen alphachain [Homo sapiens]

Official Symbol

FGA

Synonyms

Fib2; MGC119422; MGC119423; MGC119425; FGA; fibri- nogen alpha chain; OTTHUMP00000197063; OTTHUMP 00000197064; fibrinogen, A alpha polypeptide

Gene ID

2243

mRNA Refseq

NM_000508

Protein Refseq

NP_000499

MIM

134820

UniProt ID

P02671

Chromosome Location

4q28

Pathway

Blood Clotting Cascade, organism-specific biosystem; Common Pathway, organism-specific biosystem; Comple- ment and coagulation cascades, organism-specific biosys- tem; Formation of Fibrin Clot (Clotting Cascade), organ- ism-specific biosystem; Formation of Platelet plug, organ- ism-specific biosystem; GRB2:SOS provides linkage to MAPK signaling for Intergrins, organism-specific biosys- tem; Hemostasis, organism-specific biosystem; Integrin alphaIIb beta3 signaling, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosys- tem; Platelet Activation, organism-specific biosystem; p130Cas linkage to MAPK signaling for integrins, organism-specific biosystem.

Function

eukaryotic cell surface binding; protein binding; protein binding, bridging; receptor binding.

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