SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Recombinant Anti-Human figf Antibody Fab Fragment

Cat. No.: **MOM-18523-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is specific to Human FIGF, expressed in E. coli

Antigen Description

Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.

Specific Activity

Tested positive against native antigen.

Target

FIGF

Immunogen

Three KLH-conjugated synthetic peptides corresponding to N-terminal, central, and C-terminal sequences of human VEGF4.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

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

FIGF c-fos induced growth factor (vascular endothelial growth factor D) [Homo sapiens]

Official Symbol

FIGF

Synonyms

FIGF; c-fos induced growth factor (vascular endothelial growth factor D); VEGFD; vascular endothelial growth factor D; VEGF D; VEGF-D

Gene ID

2277

mRNA Refseq

NM_004469

Protein Refseq

NP_004460

MIM

300091

UniProt ID

O43915

Chromosome Location

Xp22.31

Pathway

Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;

Function

chemoattractant activity; growth factor activity; platelet-derived growth factor receptor binding; protein homodimerization activity; vascular endothelial growth factor receptor 3 binding; vascular endothelial growth factor receptor binding;

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