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Product Information

Recombinant Anti-Human angpt2 Antibody Fab Fragment

Cat. No.: **MOM-18529-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment specifically binds to Human ANGPT2, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Can induce tyrosine phosphorylation of TIE2. Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.

Specific Activity

Tested positive against native antigen.

Target

ANGPT2

Immunogen

Recombinant purified full length protein (Human).

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

CHO

Purity

>95.0% as 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 -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

ANGPT2 angiopoietin 2 [Homo sapiens]

Official Symbol

ANGPT2

Synonyms

ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a; ANG2; AGPT2;

Gene ID

285

mRNA Refseq

NM_001118887

Protein Refseq

NP_001112359

MIM

601922

UniProt ID

O15123

Chromosome Location

8p23

Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Tie2 Signaling, organism-specific biosystem;

Function

metal ion binding; protein binding; receptor binding; receptor tyrosine kinase binding;