

Product Information

Recombinant Anti-Human FLT1 Antibody Fab Fragment

Cat. No.: **MOM-18177-F(E)**

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

Product Overview

Recombinant Human Antibody Fab Fragment is directed against Human VEGFR-1, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Receptor for VEGF, VEGFB and PGF. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. Isoform SFlt1 may have an inhibitory role in angiogenesis.

Target

VEGFR-1

Immunogen

Recombinant human soluble extracellular Flt-1 Ig-like loop 1 to 5 (sFlt-1(D5)).

Source

Human

Species Reactivity

Human

Type

Fab Fragment based on Human IgG1 - kappa

Expression Host

CHO

Predicted N terminal

H chain: QAQVVES; L Chain: EIVLTQS

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

At -20°C for one year.

ANTIGEN GENE INFORMATION

Gene Name

[FLT1 fms-related tyrosine kinase 1 \(vascular endothelial growth factor/vascular permeability factor receptor\) \[Homo sapiens \]](#)

Official Symbol

FLT1

Synonyms

FLT1; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor); FLT; vascular endothelial growth factor receptor 1; VEGFR1; FLT-1; VEGFR-1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor;

Gene ID

[2321](#)

mRNA Refseq

[NM_001159920](#)

Protein Refseq

[NP_001153392](#)

MIM

[165070](#)

UniProt ID

P17948

Chromosome Location

13q12

Pathway

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

Function

ATP binding; growth factor binding; nucleotide binding; protein binding; receptor activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor-activated receptor activity; vascular endothelial growth factor-activated receptor activity;