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Product Information

Recombinant Anti-Human VWF Antibody Fab Fragment

Cat. No.: **MOM-18234-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized Antibody Fab Fragment binds selectively to Human Von Willebrand Factor, expressed in E. coli

Antigen Description

Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma.

Specific Activity

Tested positive against native antigen.

Target

Von Willebrand Factor

Immunogen

Full length protein (Human)

Source

Humanized

Species Reactivity

Human

Type

Fab Fragment based on Humanized VH - VH

Expression Host

E. coli

Predicted N terminal

EVQLVES

Purity

>95.0% as determined by 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 for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFOMATION

Gene Name

VWF von Willebrand factor [Homo sapiens]

Official Symbol

VWF

Synonyms

VWF; von Willebrand factor; F8VWF; coagulation factor VIII VWF; VWD;

Gene ID

7450

mRNA Refseq

NM_000552

Protein Refseq

NP_000543

MIM

613160

UniProt ID

P04275

Chromosome Location

12p13.3

Pathway

Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem;

Function

chaperone binding; collagen binding; glycoprotein binding; immunoglobulin binding; integrin binding; protease binding; protease binding; protein N-terminus binding; protein binding; protein homodimerization activity;

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