#M25003

VIME(337) Mouse mAb

Orders 400-6123-828
orders@ab-mart.com
Web www.ab-mart.com.cn

☐50 µl
☐100 µl
☐200 µl

DESCRIPTION

This gene encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.

SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to VIME protein.

STORAGE

Store at -20°C, stable for one year from the date of shipment.

ALIASES

VIM

REACTIVITY

Homo sapiens

ISOTYPE

Mouse IgG

PREDICTED MOLECULAR WEIGHT

54 KDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:1000-1:5000
immunoprecipitation	10 tests
FACS	1:100-1:200

***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

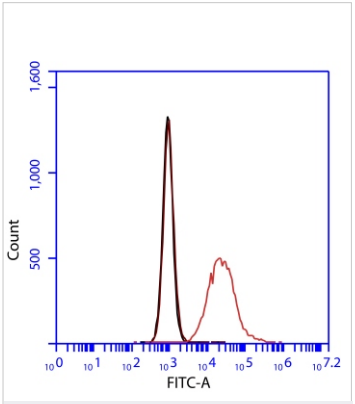
PRODUCT ADVANTAGE

Mass spectrum approved

COMPANION PRODUCTS

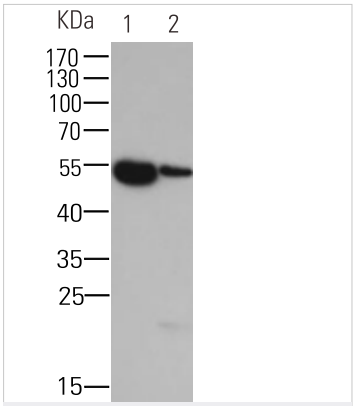
#M21001 Goat-anti-Mouse IgG-HRP
#M20001 His-Tag mAb
#M20002 Myc-Tag mAb
#M20003 HA-Tag mAb
#M20018 Anti-DYKDDDDK-Tag mAb (Agarose conjugated)

APPLICATION DATA



Flow Cytometry–Anti-VIME Antibody (M25003)

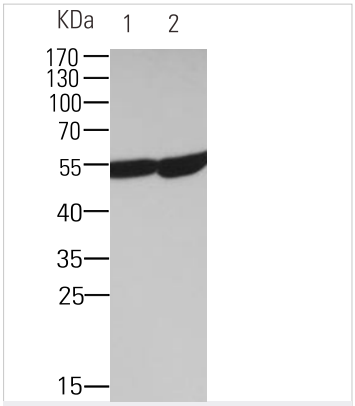
Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling VIME with M25003 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody,blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP-Anti-VIME Antibody(M25003)

VIME was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25003 of 10µg. Western blot was performed from the immunoprecipitate using M25003 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2:IP product of Jurkat cells membrane fraction.

Blocking and dilution buffer and concentration:5% milk/TBST.



WB-Anti-VIME Antibody(M25003)

All lanes : VIME Mouse mAb at 1/2000 dilution
Lane 1 : Jurkat cells membrane fraction
Lane 2 : THP1 cells membrane fraction
Lysates/proteins at 20 µg per lane.

Secondary
Goat Anti-Mouse IgG-HRP, 5% Skim milk conjugated at 1/10000 dilution

Predicted band size : 54 KDa
Observed band size : 54 KDa
Blocking/Dilution buffer : 1× PBS.

Applications Key: WB —Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence