BT LAB
Bioassay Technology Laboratory
Optimize Your Research

VIM Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4626
Host	Mouse
Isotype	Mouse IgG2a
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human VIM (AA: 2-466) expressed in E. Coli.
Mol wt	53.7kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.

Recommended Dilution

WB: 1:500 - 1:2000

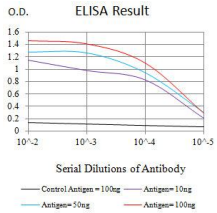
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

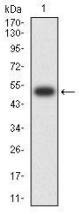
ELISA: 1:10000

Not yet tested in other applications.

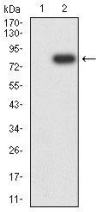
Images



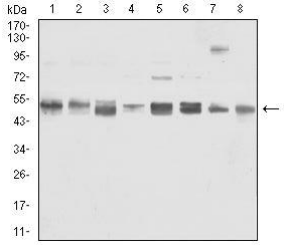
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



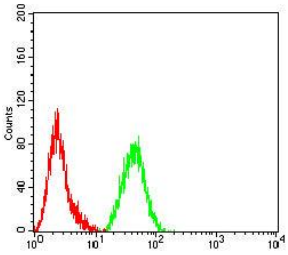
Western blot analysis using VIM mAb against human VIM (AA: 2-466) recombinant protein. (Expected MW is 50 kDa)



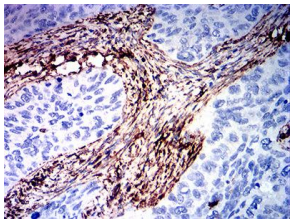
Western blot analysis using VIM mAb against HEK293 (1) and VIM (AA: 2-466)-hIgGFc transfected HEK293 (2) cell lysate.



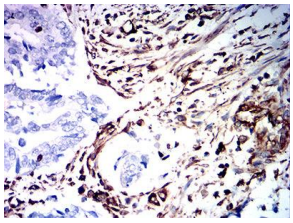
Western blot analysis using VIM mouse mAb against Jurkat (1), K562 (2), SK-N-SH (3), SH-SY5Y (4), Hela (5), NIH/3T3 (6), C6 (7), and RAW264.7 (8) cell lysate.



Flow cytometric analysis of Hela cells using VIM mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using VIM mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using VIM mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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