

## Vimentin monoclonal antibody

Catalog: MB22915

Host: Mouse

Reactivity: Human, Mouse, Rat

### 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

53.7kDa

### Swiss-Prot:

P08670

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200-1/1000 FC:1/200-1/400

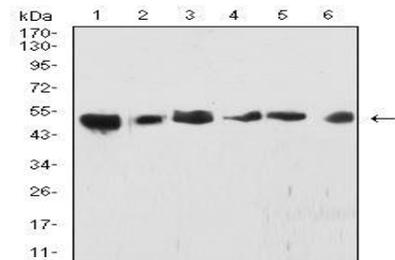
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

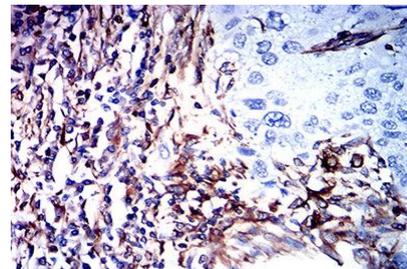
### Isotype:

Mouse IgG2a

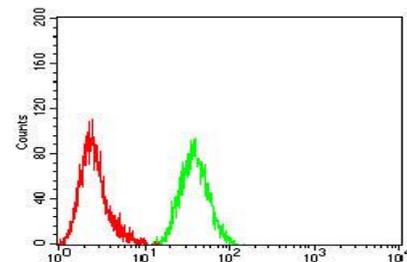
### DATA:



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



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



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

### Note:

For research use only, not for use in diagnostic procedure.

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