

# Vimentin Monoclonal Antibody (VI-01)

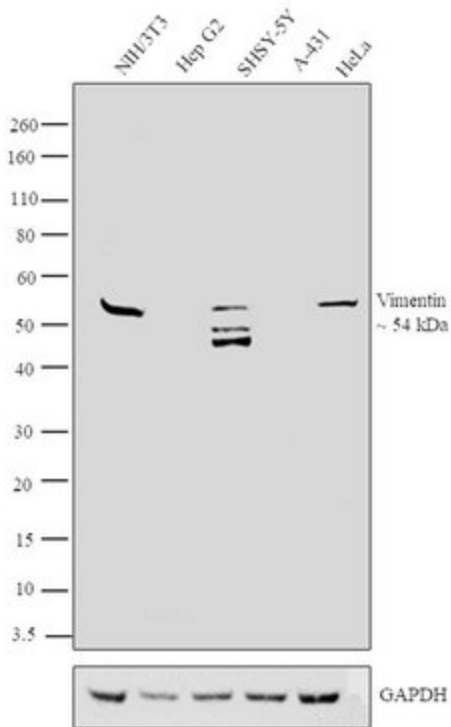
Product Details	
Size	100 µg
Species Reactivity	Human, Mammal, Mouse, Pig, Rat
Host/Isotype	Mouse / IgM
Class	Monoclonal
Type	Antibody
Clone	VI-01
Conjugate	Unconjugated
Immunogen	Pellet of pig brain cold stable proteins after depolymerization of Microtubules.
Form	Liquid
Concentration	1 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	TBS, pH 8
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_1088258

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	-
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	5 µg/mL	-

## Advanced Verification Data

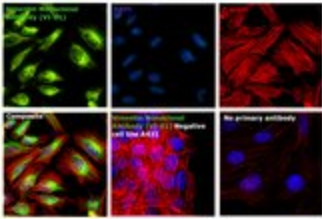
### Vimentin Antibody (MA1-19168)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Vimentin was observed in all cell lines tested using product (Product # MA1-19168) in western blot. Relative expression validation info.

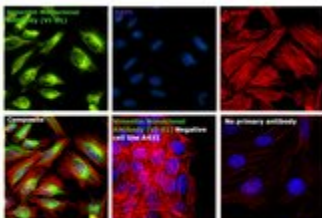


### Vimentin Antibody (MA1-19168)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Vimentin Monoclonal Antibody (Product # MA1-19168) showed expression of Vimentin in HeLa compared to A431. Relative expression validation info.



## Product Images For Vimentin Monoclonal Antibody (VI-01)



### Vimentin Antibody (MA1-19168) in ICC/IF

Immunofluorescence analysis of Vimentin was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Vimentin Mouse Monoclonal Antibody (Product # MA1-19168) at 5 µg/mL in 0.1% BSA and incubated overnight at 4 degree Celsius and then labeled with Goat anti-Mouse IgG (H+L)/IgM (L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic, cytoskeletal and nuclear localization. Panel e represents negative control, A-431 cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

[View more figures on thermofisher.com](#)

### 1 Reference

#### Immunohistochemistry (Frozen) (1)

##### Fertility and sterility

##### Bioengineered uterine tissue supports pregnancy in a rat model.

"MA1-19168 was used in immunohistochemistry - frozen section to study pregnancy in a rat model using bioengineered uterine tissue"

Authors: Hellström M, Moreno-Moya JM, Bandstein S, Bom E, Akouri RR, Miyazaki K, Maruyama T, Brännström M

##### Species

Not Applicable

##### Dilution

1:200

##### Year

2016

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