

# [pSer55]Vimentin monoclonal antibody (4A4)

Vimentin is one of four type II intermediate filament (IF) proteins; Desmin, Glial fibrillary acidic protein (GFAP) and Peripherin being the others. Vimentin is the most widely distributed of all IF proteins. It is typically expressed in leukocytes, blood vessel endothelial cells, and mesenchymal cells such as fibroblasts. Vimentin filaments help support cellular membranes. Vimentin networks also may help keep the nucleus and other organelles in a defined place within the cell.

This antibody is covered by our [Worry-Free Guarantee](#).

Citations: 5

[View Online »](#)

[Order Online »](#)

## Ordering Information

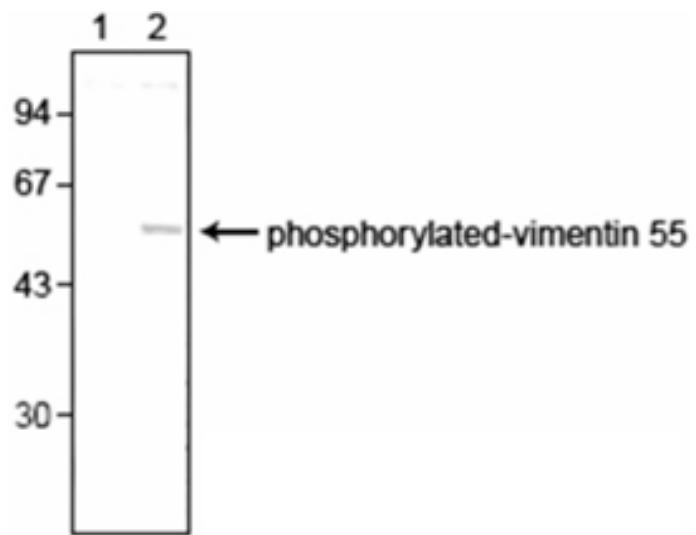
[Order Online »](#)

[View Online »](#)

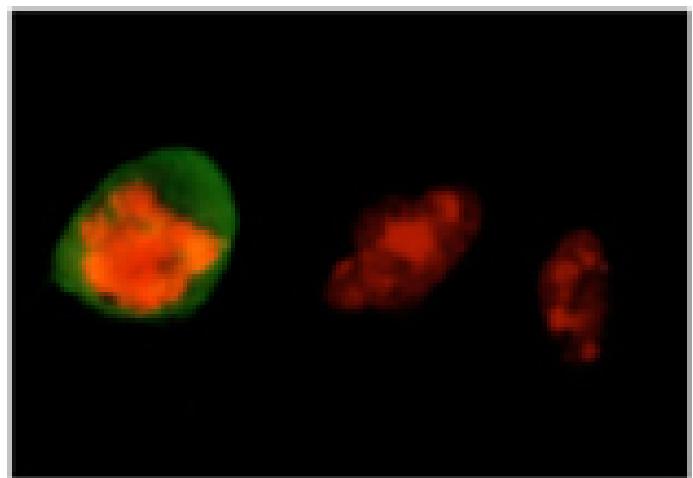
[View Online »](#)

## Manuals, SDS & CofA

[View Online »](#)



Western blot analysis of U251 interphase (1) and U251 M phase (2) cells, probed with Vimentin (pSer55) mAb (4A4).



Immunocytochemistry analysis of U251 cells using Vimentin (pSer55) mAb (4A4).

# Handling & Storage

**Long Term Storage** -20°C

**Shipping** Blue Ice

## Regulatory Status

RUO - Research Use Only

## Product Details

**Alternative Name** VIM

**Application** ELISA, ICC, WB

**Application Notes** Detects a band of ~57kDa by Western blot.

**Clone** 4A4

**Formulation** Liquid. In PBS containing 50% glycerol.

**Host** Mouse

**Immunogen** Synthetic peptide corresponding to a portion of mouse vimentin phosphorylated at Ser55.

**Isotype** IgG2b

**Purity Detail** Protein A affinity purified.

**Recommendation Dilutions/Conditions** ELISA, Immunocytochemistry (1µg/ml)Western Blot (1-5µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.

**Species Reactivity** Human, Mouse, Rat

**UniProt ID** P20152

**Worry-free Guarantee**

**This antibody is covered by our [Worry-Free Guarantee](#)**



ENZO LIFE SCIENCES,  
INC.  
Phone: 800.942.0430  
[info-  
usa@enzolifesciences.com](mailto:info-usa@enzolifesciences.com)

European Sales Office  
ENZO LIFE SCIENCES  
(ELS) AG  
Phone: +41 61 926 8989  
[info-  
eu@enzolifesciences.com](mailto:info-eu@enzolifesciences.com)

Belgium, The Netherlands  
& Luxembourg  
Phone: +32 3 466 0420  
[info-  
fr@enzolifesciences.com](mailto:info-fr@enzolifesciences.com)

France  
Phone: +33 472 440 655  
[info-  
fr@enzolifesciences.com](mailto:info-fr@enzolifesciences.com)

Germany  
Phone: +49 7621 5500 526  
[info-  
de@enzolifesciences.com](mailto:info-de@enzolifesciences.com)

UK & Ireland  
Phone (UK customers):  
0845 601 1488  
Phone: +44 1392 825900  
[info-  
uk@enzolifesciences.com](mailto:info-uk@enzolifesciences.com)

**Last modified: May 29, 2024**