

Vimentin Monoclonal Antibody (VI-RE/1)

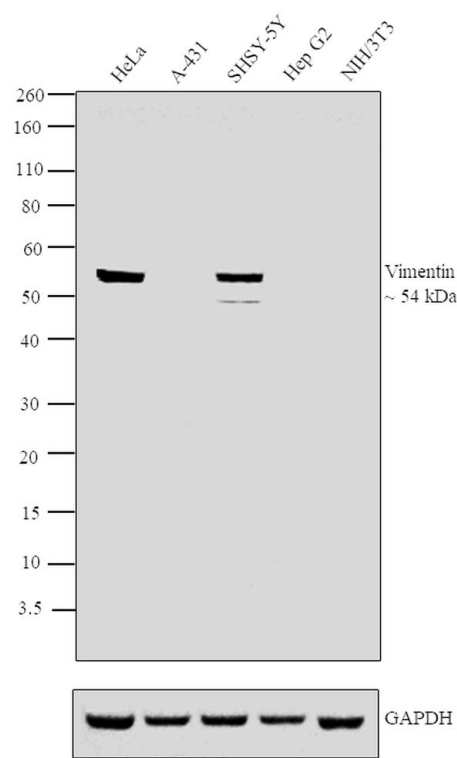
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	VI-RE/1
Conjugate	Unconjugated
Immunogen	Bacterially expressed full-length human vimentin
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_1088255

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	5-10 µg/mL	-
Flow Cytometry (Flow)	1-4 µg/mL	-
ELISA (ELISA)	Assay-dependent	-

Product Specific Information

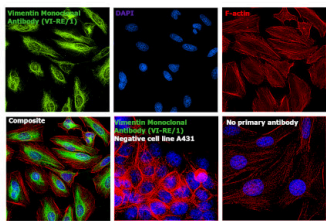
This antibody will not cross-react with porcine or mouse.

Product Images For Vimentin Monoclonal Antibody (VI-RE/1)



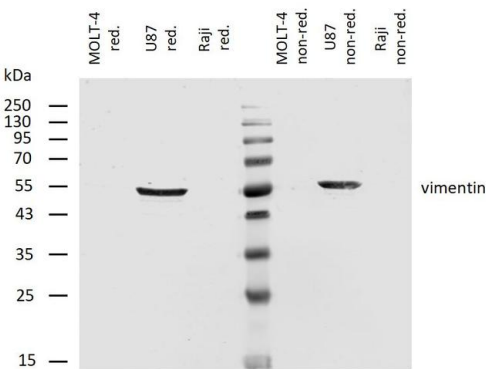
Vimentin Antibody (MA1-19319) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of HeLa (Lane 1), A-431 (Lane 2), SHSY-5Y (Lane 3), Hep G2 (Lane 4) and NIH /3T3 (Lane 5). The blot was probed with Anti-Vimentin Monoclonal Antibody (Product # MA1-19319, 1:2000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A 54 kDa band corresponding to Vimentin was observed across all the human cell lines positive for Vimentin (Lanes 1 and 3) but not mouse cell line (Lane 5), while this band was absent in the cell lines which do not express Vimentin protein (Lanes 2 and 4).



Vimentin Antibody (MA1-19319)

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 # MA1-19319) showed expression of Vimentin in HeLa compared to A-431. {RE}



Vimentin Antibody (MA1-19319) in WB

Western blotting analysis of human vimentin using mouse monoclonal antibody VI-RE/1 on lysates of MOLT-4 cell line (low expression), U87 cell line (positive) and Raji cell line (negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2µg/mL of mouse anti-vimentin Monoclonal antibody (Product # MA1-19319) followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for vimentin at approximately 55kDa.

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Immunohistochemistry (1)

Oncotarget	Year 2021
Carcinoma cells that have undergone an epithelial-mesenchymal transition differentiate into endothelial cells and contribute to tumor growth.	
"Published figure using Vimentin monoclonal antibody (Product # MA1-19319) in Immunohistochemistry"	
Authors: Sphyris N,King C,Hoar J,Werden SJ,Vijay GV,Miura N,Gaharwar A,Sarkar TR	

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