

Vimentin Monoclonal Antibody (SP20)

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Non-human primate, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	SP20
Conjugate	Unconjugated
Immunogen	Recombinant protein encoding human vimentin
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	tissue culture supernatant diluted in TBS, pH 7.5, with 1% BSA
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10981427

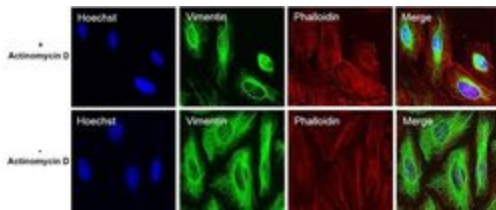
Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:500	2 Publications
Immunohistochemistry (IHC)	-	21 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:200	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:20	-
Immunocytochemistry (ICC/IF)	1:1,000	4 Publications
Flow Cytometry (Flow)	1:100	-

Product Specific Information

MA5-14564 targets Vimentin in IHC (P) , WB, IF and ICC applications and shows reactivity with Human, Primate, Mouse and Rat samples.

The MA5-14564 immunogen is recombinant protein encoding human vimentin.

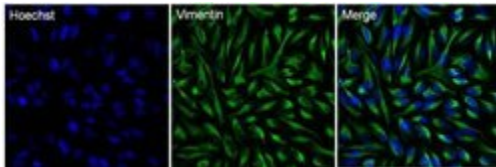
Advanced Verification Data



Vimentin Antibody (MA5-14564)

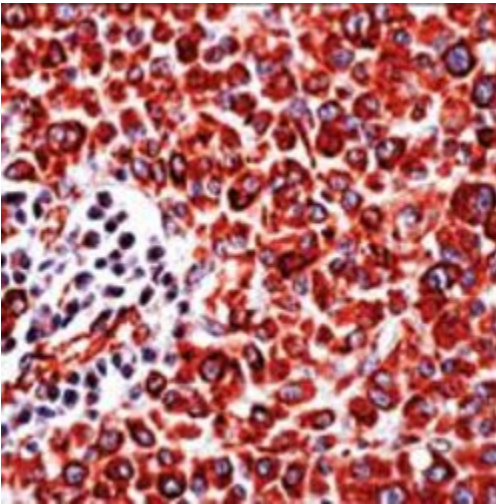
Altered expression or localization of proteins using pharmacological methods demonstrate antibody specificity. Immunocytochemistry analysis of Vimentin using a Vimentin rabbit monoclonal antibody (Product # MA5-14564), shows disruption of intermediate filaments in HeLa cells upon treatment with Actinomycin D compared to untreated cells. Cell treatment validation info.

Product Images For Vimentin Monoclonal Antibody (SP20)



Vimentin Antibody (MA5-14564) in ICC/IF

Immunofluorescent analysis of vimentin in HeLa cells. The cells were fixed with 4% paraformaldehyde in PBS for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 for 15 minutes and blocked with 3% BSA for 30 minutes at room temperature. Cells were stained with a vimentin rabbit monoclonal antibody (Product # MA5-14564) at a dilution of 1:200 in blocking buffer overnight at 4C, and then incubated with a Goat anti-Rabbit IgG (H+L) Secondary Antibody, Alexa Fluor Plus 488 conjugate (Product # A32731) at a dilution of 1:500 for at least 30 minutes at a room temperature in the dark (green). Nuclei (blue) were stained with Hoechst 33342 (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



Vimentin Antibody (MA5-14564) in IHC

Formalin-fixed, paraffin-embedded human melanoma stained with Vimentin using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of tumor cells.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (2)

Oncotarget

Cell type of origin as well as genetic alterations contribute to breast cancer phenotypes.

"MA5-14564 was used in western blot to analyze the contribution of genetic alterations and cell type of origin in breast cancer phenotypes"

Authors: Bhagirath D,Zhao X,West WW,Qiu F,Band H,Band V

Species
Not Applicable

Dilution
Not Cited

Year
2015

PloS one

Derivation of myoepithelial progenitor cells from bipotent mammary stem/progenitor cells.

"MA5-14564 was used in western blot to derive myoepithelial progenitor cells from bipotent mammary stem/progenitor cells."

Authors: Zhao X,Malhotra GK,Band H,Band V

Species
Human

Dilution
Not Cited

Year
2012

Immunohistochemistry (21)

Stem cell research & therapy

CD146/MCAM defines functionality of human bone marrow stromal stem cell populations.

"MA5-14564 was used in immunohistochemistry to assess the use of CD146 expression to characterize human skeletal (stromal, mesenchymal) stem cells"

Authors: Harkness L,Zaher W,Ditzel N,Isa A,Kassem M

Species
Human

Dilution
Not Cited

Year
2016

Histopathology

A systematic analysis of commonly used antibodies in cancer diagnostics.

"MA5-14564 was used in immunohistochemistry to perform a systematic study of the diagnostic power of a range of antibodies commonly used in the diagnosis of cancer"

Authors: Gremel G,Bergman J,Djureinovic D,Edqvist PH,Maindad V,Bharambe BM,Khan WA,Navani S,Elebro J, Jirstrom K,Hellberg D,Uhlén M,Micke P,Pontén F

Species
Human

Dilution
1:300

Year
2014

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (2)

ICC/IF (4)

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