

VEGF Receptor 2 Monoclonal Antibody (B.309.4)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	B.309.4
Conjugate	Unconjugated
Immunogen	Recombinant protein containing the carboxy-terminal 150 amino acid residues of human VEGF receptor 2
Form	Liquid
Concentration	28 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10986085

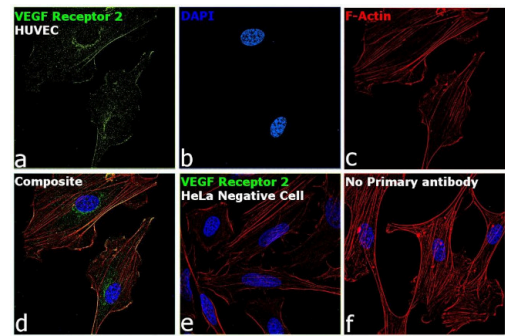
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	6 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:4000-1:16000	-
Immunohistochemistry (Frozen) (IHC (F))	1:200-1:800	-
Immunocytochemistry (ICC/IF)	1:200-1:800	2 Publications
Flow Cytometry (Flow)	-	1 Publication
Immunoprecipitation (IP)	1:100	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

It is not recommended to aliquot this antibody.

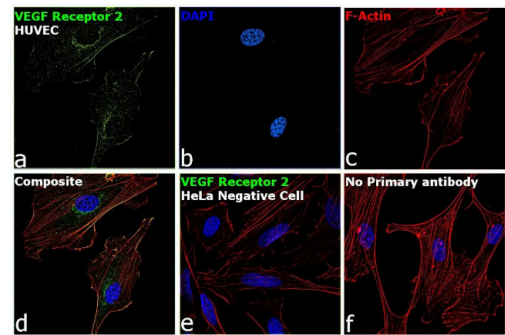
This antibody is not cross-reactive with other family members.

Product Images For VEGF Receptor 2 Monoclonal Antibody (B.309.4)



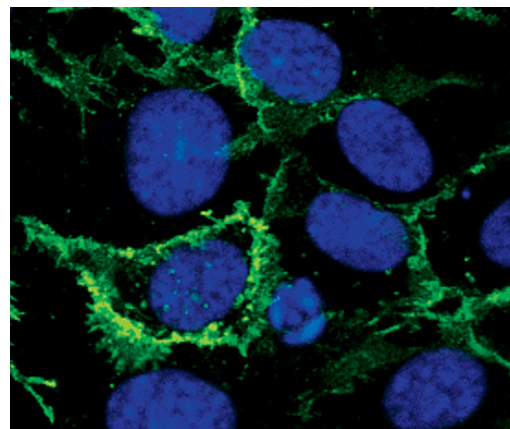
VEGF Receptor 2 Antibody (MA5-15157)

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 Anti-VEGF Receptor 2 Monoclonal Antibody (B.309.4) (Product # MA5-15157), shows increased expression of VEGF Receptor 2 in HUVEC as compared to HeLa. {RE}



VEGF Receptor 2 Antibody (MA5-15157) in ICC/IF

Immunofluorescence analysis of VEGF Receptor 2 was performed using 70% confluent log phase HUVEC cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with VEGF Receptor 2 Monoclonal Antibody (B.309.4) (Product # MA5-15157) at 1:200 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Plasma Membrane and Endoplasmic Reticulum localization. Panel e represents HeLa cells with no expression of VEGF Receptor 2. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



VEGF Receptor 2 Antibody (MA5-15157) in ICC/IF

Immunofluorescent analysis of VEGF Receptor 2 in HUVEC cells, stimulated with Vascular Endothelial Growth Factor, using a VEGF Receptor 2 monoclonal antibody (Product # MA5-15157) (green). DNA is labeled using a fluorescent blue dye.

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Western Blot (6)

Journal of neurochemistry

Cyclooxygenase inhibition attenuates brain angiogenesis and independently decreases mouse survival under hypoxia.

"Published figure using VEGF Receptor 2 monoclonal antibody (Product # MA5-15157) in Western Blot"

Authors: Seeger DR,Golovko SA,Grove BD,Golovko MY

Year
2021

International journal of ophthalmology

Blockade of insulin receptor substrate-1 inhibits biological behavior of choroidal endothelial cells.

"MA5-15157 was used in Western Blotting to investigate the effects of blockade of insulin receptor substrate-1 (IRS-1) on the bio-function of tube formation of human choroidal endothelial cells (HCECs)."

Authors: Qian YY,Wu HY,Liu GQ,Ren C,Lu PR,Zhang XG

Year
2020

Species
Human

Dilution
1:1000

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

Immunohistochemistry (1)

Nature communications

PD-L1-directed PIGF/VEGF blockade synergizes with chemotherapy by targeting CD141⁺ cancer-associated fibroblasts in pancreatic cancer.

"MA5-15157 was used in Immunohistochemistry to study the mechanism underlying chemotherapy-induced fibrosis in PDAC."

Authors: Kim DK,Jeong J,Lee DS,Hyeon DY,Park GW,Jeon S,Lee KB,Jang JY,Hwang D,Kim HM,Jung K

Year
2022

Species
Mouse

Dilution
1:4000

Immunocytochemistry (2)

Cell biology international

Functional damage of endothelial progenitor cells is attenuated by 14-3-3-n through inhibition of mitochondrial injury and oxidative stress.

"MA5-15157 was used in Cell Culture to provide a new target, 14-3-3-, for the prevention and treatment of cardiovascular diseases through targeting EPCs."

Authors: Li Y,Sun X,Zhang X,Zhou H,Wang D,Xia Y,Li X

Year
2021

Species
Human

More applications with references on thermofisher.com

Flow (1)

Misc (1)

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