

VEGF Monoclonal Antibody (VG1)

Product Details	
Size	500 µL
Species	Human
Published Species	Rabbit, Rat, Mouse, Human
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	VG1
Conjugate	Unconjugated
Immunogen	Recombinant VEGF189 protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10980775

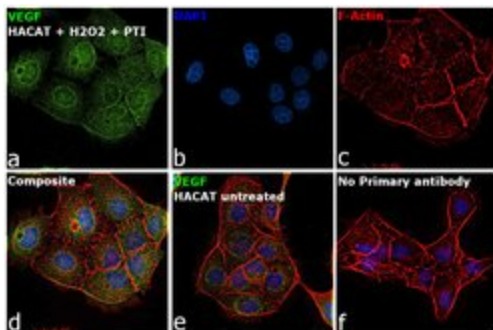
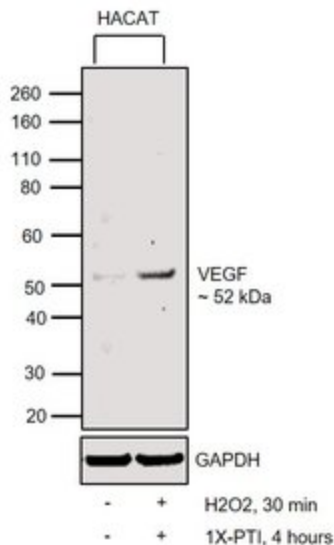
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:40-1:200	3 Publications
Immunofluorescence (IF)	1:40-1:200	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:200	4 Publications
Western Blot (WB)	1-2 µg/mL	5 Publications
Immunohistochemistry (IHC)	-	43 Publications

Product Specific Information

MA5-12184 targets Vascular Endothelial Growth Factor in IF, IHC (P) and WB applications and shows reactivity with Human samples.

VEGF Antibody (MA5-12184)

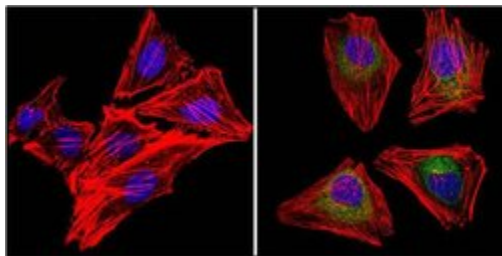
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using VEGF Monoclonal Antibody (VG1) (Product # MA5-12184), shows increased expression of VEGF protein in HACAT cells treated with H₂O₂ and 1X-PTI as compared to untreated HACAT cells. Cell treatment validation info.



VEGF Antibody (MA5-12184)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using VEGF Monoclonal Antibody (VG1) (Product # MA5-12184), shows increased expression of VEGF protein in HACAT cells treated with H₂O₂ and 1X-PTI as compared to untreated HACAT cells. Cell treatment validation info.

Product Images For VEGF Monoclonal Antibody (VG1)



VEGF Antibody (MA5-12184) in IF

Immunofluorescent analysis of Vascular Endothelial Growth Factor (VEGF, green) in HeLa cells. The cells were fixed with 4% paraformaldehyde, permeabilized with 0.1% Triton X-100 in PBS, and blocked with 3% Blocker BSA (Product # 37525) for 30 minutes at room temperature. Cells were stained with (left panel) or without (right panel) a VEGF polyclonal antibody (Product # MA5-12184) at a dilution of 1:40 for at least 1 hour at room temperature, and then incubated with a Dylight 488 goat anti-Mouse IgG secondary antibody at a dilution of 1:1000 for 45 minutes at room temperature. F-actin (both panels, red) was stained by Dylight 554 Phalloidin (Product # 21834) and nuclei (both panels, blue) were stained with DAPI (Product # 46190). Images were taken at 60X magnification.

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Immunohistochemistry (43)

Folia morphologica

Effects of formaldehyde on vascular endothelial growth factor, matrix metalloproteinase 2 and osteonectin levels in periodontal membrane and alveolar bone in rats.

"MA5-12184 was used in Immunohistochemistry to investigate if long term formaldehyde inhalation may effect periodontal membrane and alveolar bone loss leading to periodontitis."

Authors: Laçin N,zol BS,Tuncer MC,Gökalp Özkorkmaz E,Deveci B,Deveci E

Species
Rat

Dilution
1:100

Year
2020

Scientific reports

A lasered mouse model of retinal degeneration displays progressive outer retinal pathology providing insights into early geographic atrophy.

"MA5-12184 was used in Immunohistochemistry to propose this mouse model as an attractive tool for early GA studies and drug-discovery."

Authors: Ibbett P,Goverdhan SV,Pipi E,Chouhan JK,Keeling E,Angus EM,Scott JA,Gatherer M,Page A,Teeling JL, Lotery AJ,Arjuna Ratnayaka J

Species
Mouse

Dilution
Not Cited

Year
2019

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

Western Blot (5)

Acta cirurgica brasileira

Immunoexpression of vascular endothelial growth factor and B-cell lymphoma 2 in the uterine tissue of rats treated with melatonin in the estrus phase1.

"MA5-12184 was used in Immunohistochemistry to demonstrate that the increase in vascular endothelial growth factor expression results in rearrangement of endothelial cell growth and induces angiogenesis."

Authors: Görük NY,Deveci E

Species
Rat

Dilution
1:100

Year
2018

Life sciences

Oxygen-induced retinopathy in mice with retinal photoreceptor cell degeneration.

"MA5-12184 was used in western blot to study retinal neovascularization during oxygen-induced retinopathy in mice with photoreceptor cell degeneration"

Authors: Zhang Q,Zhang ZM

Species
Mouse

Dilution
Not Cited

Year
2014

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More applications with references on thermofisher.com

ICC (3) IHC (P) (4)

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