

VEGF Monoclonal Antibody (VG1)

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Rabbit, Rat, Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	VG1
Conjugate	Unconjugated
Immunogen	Recombinant VEGF189 protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A/G
Storage buffer	10mM PBS, pH 7.4, with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	4° C
RRID	AB_10980775

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	6 Publications
Immunohistochemistry (IHC)	-	46 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:200	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:40-1:200	3 Publications

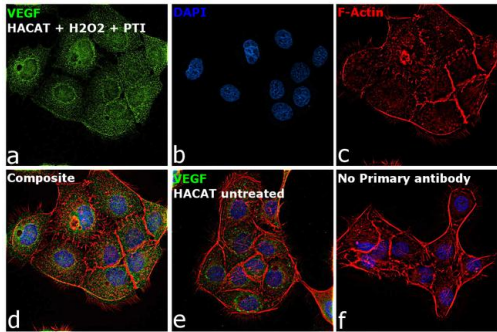
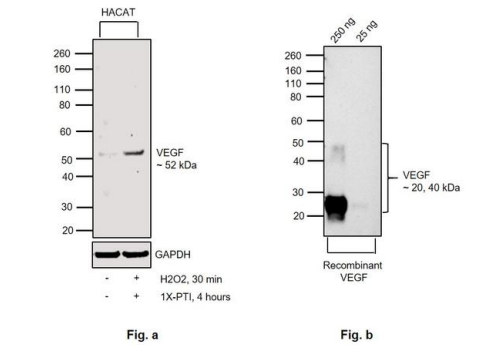
Product Specific Information

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

Product Images For VEGF Monoclonal Antibody (VG1)

VEGF Antibody (MA5-12184) in WB

Western blot was performed using Anti-VEGF Monoclonal Antibody (VG1) (Product # MA5-12184) and a 52 kDa band corresponding to VEGF was observed across cell line tested in Figure a and 20 and 40 kDa bands in recombinant VEGF protein in Figure b. Whole cell extracts (30 µg lysate) of HACAT cells and HACAT cells treated with 0.5 mM H2O2 for 30 minutes followed by 1X-PTI for 4 hours in Figure a and recombinant VEGF protein (250 ng and 25 ng) in Figure b were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1 µg/mL) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Reagent Kit (Product # WP20005).

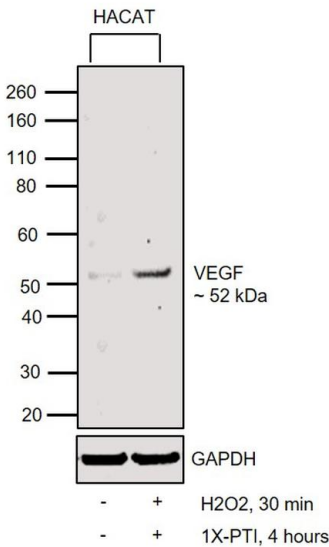


VEGF Antibody (MA5-12184)

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. {TM}

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. {TM}



View more figures on thermofisher.com

Western Blot (6)

<p>Cancer letters</p> <p>Squalamine blocks tumor-associated angiogenesis and growth of human breast cancer cells with or without HER-2/neu overexpression.</p> <p>"MA5-12184 was used in Western Blotting to assess the antitumour effects of squalamine in both independent and combined treatment using a mouse model."</p> <p>Authors: Márquez-Garbán DC,Gorrín-Rivas M,Chen HW,Sterling C,Elashoff D,Hamilton N,Pietras RJ</p>	<p>Year 2019</p> <p>Species Human</p>
<p>Acta cirurgica brasileira</p> <p>Immunoexpression of vascular endothelial growth factor and B-cell lymphoma 2 in the uterine tissue of rats treated with melatonin in the estrus phase1.</p> <p>"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."</p> <p>Authors: Görük NY,Deveci E</p>	<p>Year 2018</p> <p>Species Rat</p> <p>Dilution 1:100</p>

View more WB references on thermofisher.com

Immunohistochemistry (46)

<p>Journal of clinical medicine</p> <p>Identifying Common Pathogenic Features in Deep Endometriotic Nodules and Uterine Adenomyosis.</p> <p>"Published figure using VEGF monoclonal antibody (Product # MA5-12184) in Immunohistochemistry"</p> <p>Authors: Stratopoulou CA,Camboni A,Donnez J,Dolmans MM</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:250</p>
<p>Cell death & disease</p> <p>Macrophage migration inhibitory factor inhibition as a novel therapeutic approach against triple-negative breast cancer.</p> <p>"MA5-12184 was used in Immunohistochemistry to study the role of Macrophage migration inhibitory factor (MIF) in Triple-negative breast cancer (TNBC) progression and metastasis."</p> <p>Authors: Charan M,Das S,Mishra S,Chatterjee N,Varikuti S,Kaul K,Misri S,Ahirwar DK,Satoskar AR,Ganju RK</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:100</p>

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

- IHC (P) (4)
- IHC (F) (1)
- ICC/IF (3)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.