

Product Datasheet

VEGF Antibody (VG1) - Azide and BSA Free NBP2-81007

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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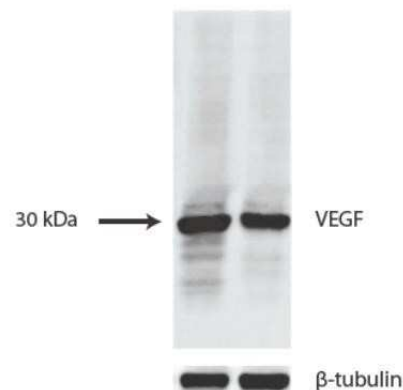
NBP2-81007

VEGF Antibody (VG1) - Azide and BSA Free

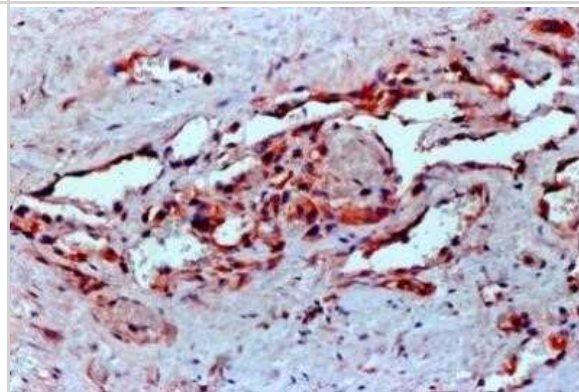
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	VG1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse VEGF Antibody (VG1) - Azide and BSA Free (NB100-664) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7422
Gene Symbol	VEGFA
Species	Human, Mouse, Rat, Porcine, Canine
Immunogen	Recombinant VEGF 189 protein.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready, Immunocytochemistry
Recommended Dilutions	Western Blot 1 - 2 ug/ml, Flow Cytometry, ELISA, Immunohistochemistry 1:20 - 1:100, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:20 - 1:100, Immunohistochemistry-Frozen 1:20 - 1:100, Immunocytochemistry, CyTOF-ready
Application Notes	In IHC a dilution of 1:20-1:50 was used in an ABC method. However, depending on the staining conditions employed, we suggest that the final dilution should be determined by the user. We suggest an incubation period of 30-60 minutes at room temperature. High temperature treatment of formalin-fixed tissue sections using 1mM EDTA, pH 8.0 must be performed prior to the immunostaining. This antibody is CyTOF ready.

Images

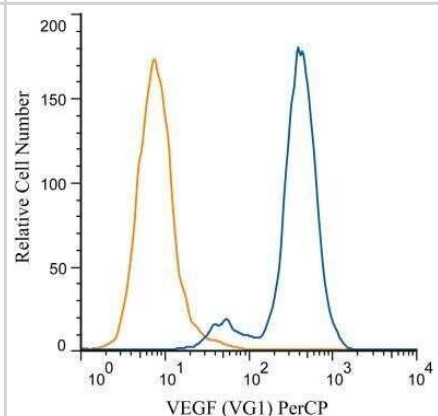
HUVEC and 293T cells transfected with a plasmid expressing human VEGF165 at 1:1000. Image provided by verified customer review. Image from the standard format of this antibody.



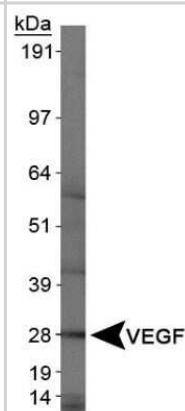
FFPE human angiosarcoma tissue section using VEGF antibody (clone VG1). The endothelial cells of the blood vessels and most of the cancer cells showed strong positivity for VEGF protein. Image from the standard format of this antibody.



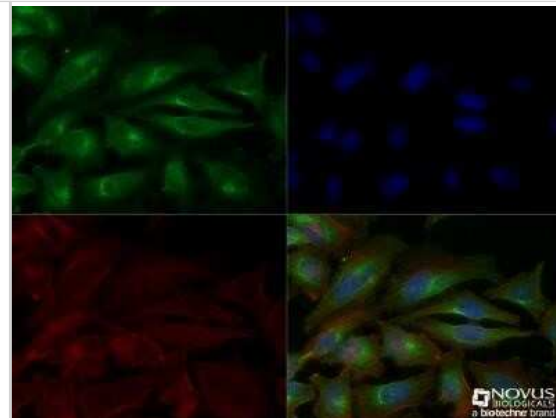
Analysis of PerCP conjugate of NB100-664. An intracellular stain was performed on HUVEC cells with VEGF (VG1) antibody NB100-664PCP (blue) and a matched isotype control NBP2-27287PCP (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to PerCP.



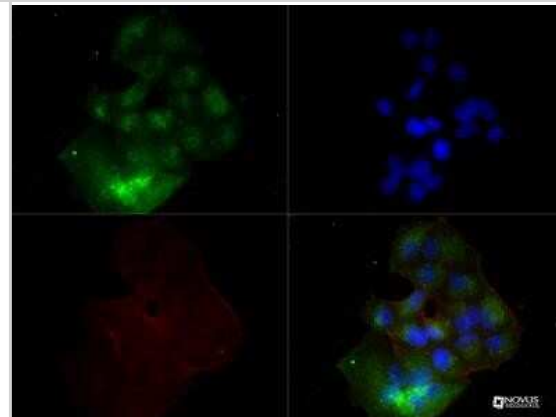
Analysis of VEGF in human kidney protein using NB100-664. Image from the standard format of this antibody.



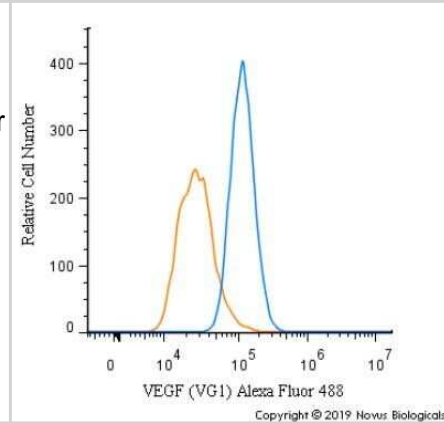
HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-VEGF (VG1) [NB100-664] at 1:200 overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at 1:500. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



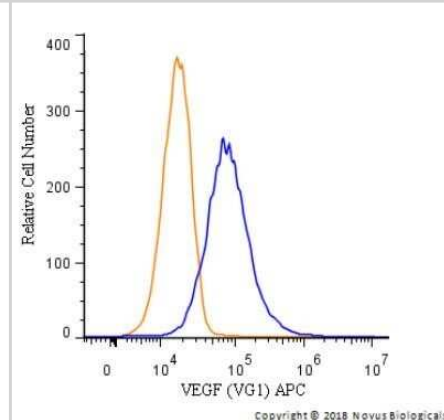
MCF7 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with VEGF (VG1) NB100-664 at 1:200 overnight at 4C and detected with DyLight 488 (Green). Actin was detected with Phalloidin 568 (Red) at 1:200. Nuclei were detected with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



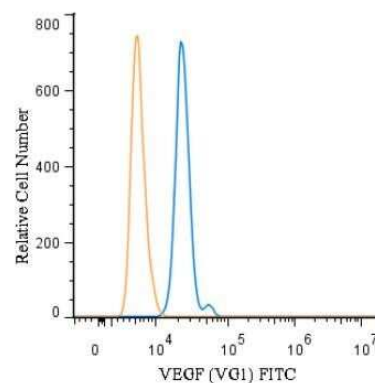
An intracellular stain was performed on U-87 cells with VEGF [VG1] Antibody NB100-664AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.



An intracellular stain was performed on U-87 cells with VEGF [VG1] Antibody NB100-664APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Allophycocyanin.

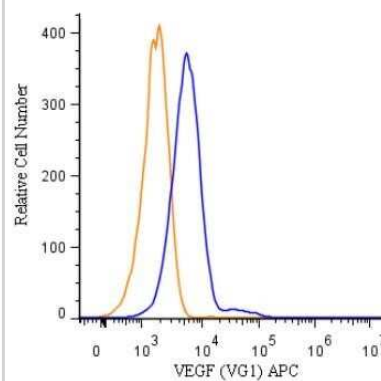


An intracellular stain was performed on U-937 cells with NB100-664F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to FITC.



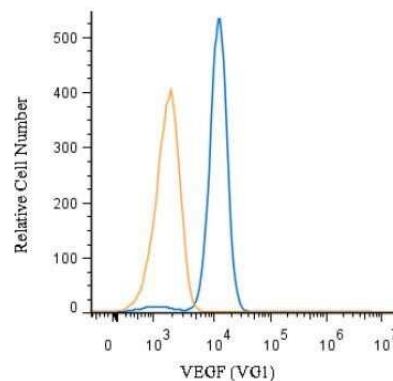
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An intracellular stain was performed on U937 cells with VEGF [VG1] Antibody NB100-664APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Allophycocyanin.



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An intracellular stain was performed on U-937 cells with VEGF Antibody (VG1) NB100-664 and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by Mouse F(ab)2 IgG (H+L) PE-conjugated Antibody (R&D Systems, F0102B). Image from the standard format of this antibody.



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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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