Product Datasheet

VEGF-C Antibody (107/F10) - Azide and BSA Free
NBP1-18626

Unit Size: 0.1 mg

Store at -80C in the dark. Avoid freeze-thaw cycles.

Reviews: 2 Publications: 3

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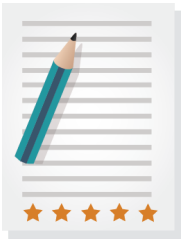
Updated 10/23/2024 v.20.1



NBP1-18626

VEGF-C Antibody (107/F10) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store at -80C in the dark. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	107/F10
Preservative	No Preservative
Reconstitution Instructions	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. Please note the sample size of this product will be provided in reconstituted liquid form.
Isotype	IgG2 Alpha
Purity	Protein G purified
Buffer	PBS

Product Description

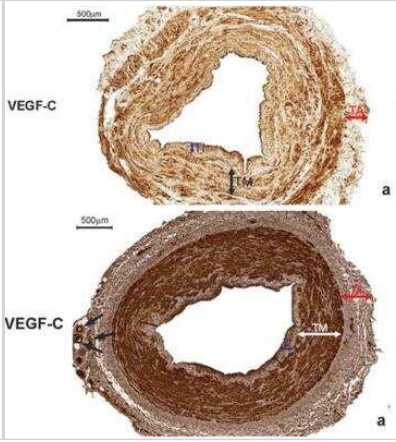
Host	Mouse
Gene ID	7424
Gene Symbol	VEGFC
Species	Human, Rat
Specificity/Sensitivity	This antibody detects human and rat VEGF-C in Western blots. No cross-reactivity is shown with VEGF-A.
Immunogen	Recombinant human VEGF-C

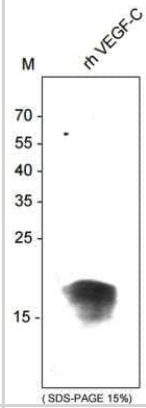
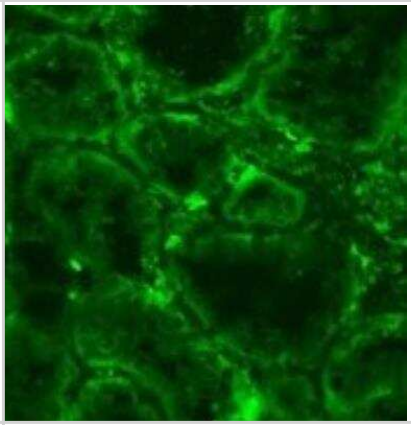
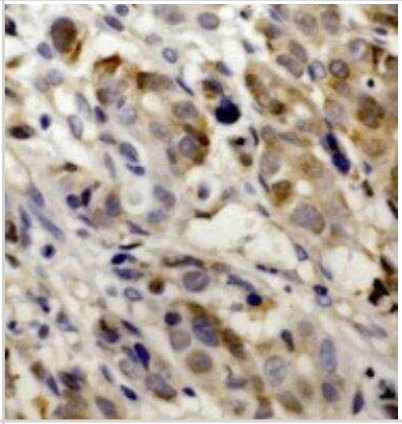
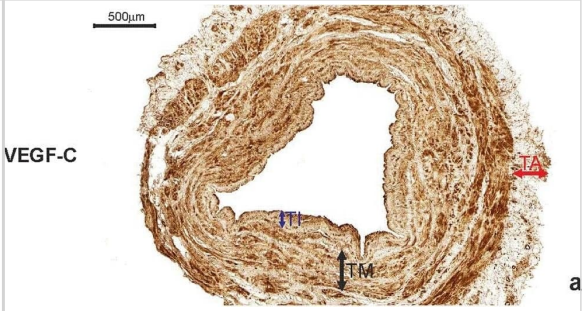
Product Application Details

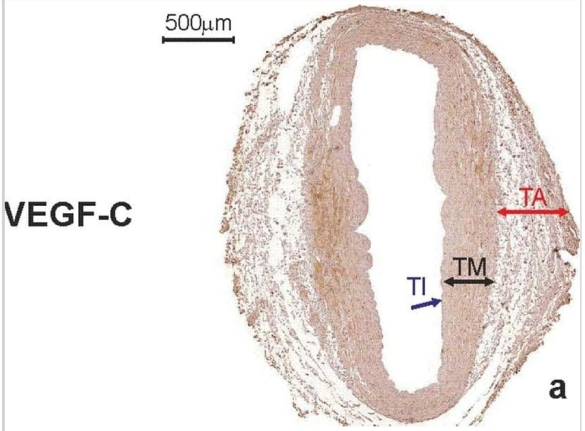
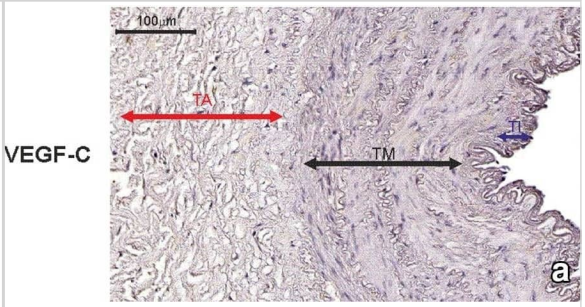
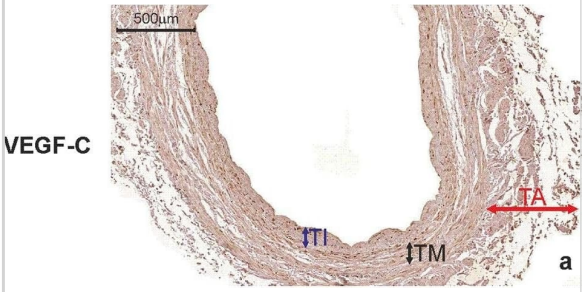
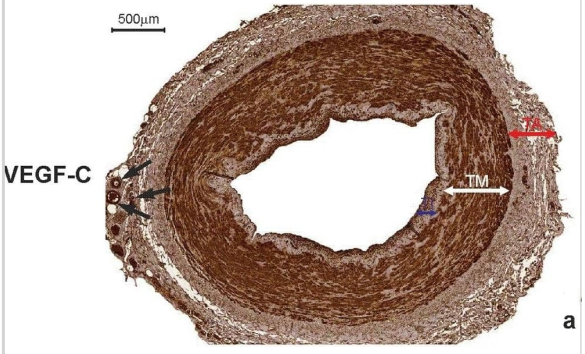
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-5 ug/ml, ELISA 2-10 ug/ml, Immunohistochemistry 2 - 10 ug/mL, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin

Images

Immunohistochemistry: VEGF-C Antibody (107/F10) [NBP1-18626] - (lower a) Internal thoracic artery wall harvested from a 67- year old patient diagnosed with double-vessel CAD showing immunohistochemical staining of VEGF-C. VEGF-C is expressed in smooth muscle cells of the tunica media (TM) and endothelial cells present in the tunica intima (TI). (lower a) Internal thoracic artery wall harvested from a 71-year old patient diagnosed with triple-vessel CAD showing immunohistochemical staining of VEGF-C. Intensive VEGF-C expression is observed in the smooth muscle cells of the tunica media (TM) and in the endothelial cells of the tunica intima (TI). Image collected and cropped by CiteAb from the following publication (https://link.springer.com/10.1007/s00380-018-1158-9) licensed under a CC-BY license.



Western Blot: VEGF-C Antibody (107/F10) [NBP1-18626] - Analysis of recombinant human VEGF-C derived from insect cells using a monoclonal antibody directed against recombinant human/rat VEGF-C.	
Immunocytochemistry/Immunofluorescence: VEGF-C Antibody (107/F10) [NBP1-18626] - Human myofibroblasts stained with VEGF-C antibody. ICC/IF image submitted by a verified customer review.	
Immunohistochemistry-Paraffin: VEGF-C Antibody (107/F10) [NBP1-18626] - Human gastric cancer tissue section stained with VEGF-C antibody. IHC-P image submitted by a verified customer review.	
Immunohistochemistry: VEGF-C Antibody (107/F10) - Azide and BSA Free [NBP1-18626] - Internal thoracic artery wall harvested from a patient diagnosed with double-vessel CAD showing immunohistochemical staining. Immunohistochemical staining of VEGF-C (a), CAV2 (b) & CAV3 (c) in an internal thoracic artery obtained from a 67-year-old patient who developed the early graft restenosis within 7 months after coronary artery bypass grafting. VEGF-C is expressed in smooth muscle cells of the tunica media (TM) & endothelial cells present in the tunica intima (TI). CAV2 is present exclusively in smooth muscle cells. Strong expression of CAV3 is observed in smooth muscle cells & in endothelial cells. d Negative control. TA tunica adventitia Image collected & cropped by CiteAb from the following publication (http://link.springer.com/10.1007/s00380-018-1158-9), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Immunohistochemistry: VEGF-C Antibody (107/F10) - Azide and BSA Free [NBP1-18626] - Immunohistochemical staining of a saphenous vein wall harvested from a patient diagnosed with triple-vessel CAD. Three serial histological sections of a graft wall obtained from a 71-year-old patient who developed early graft failure 11 months after coronary artery bypass grafting (the same patients as mentioned in Fig. 7). VEGF-C (a), VEGFR-3 (b), & CAV3 (c) shown to be expressed by immunohistochemical staining in smooth muscle cells of the tunica media (TM). In addition, VEGFR-3 is strongly present in endothelial cells of the tunica intima (TI). d Negative control. TA tunica adventitia Image collected & cropped by CiteAb from the following publication (http://link.springer.com/10.1007/s00380-018-1158-9), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Immunohistochemistry: VEGF-C Antibody (107/F10) - Azide and BSA Free [NBP1-18626] - Immunohistochemical staining of an internal thoracic artery & saphenous vein wall harvested from a patient with no evidence of luminal stenosis 12 months after CABG. Immunohistochemical staining of VEGF-C (a) & CAV2 (b) in an internal thoracic artery (ITA) graft & VEGFR-3 (c) in saphenous vein (SV) transplant harvested from a 65-year-old patient diagnosed with triple-vessel CAD. Note that lack of CAV2 expression within smooth muscle cells (SMC) in ITA wall is accompanied by VEGF-C positive expression in the same area. In SV tissue sample harvested from the same patient, no VEGRR-3 expression was found. d Negative control. TI tunica intima, TM tunica media, TA tunica adventitia Image collected & cropped by CiteAb from the following publication (http://link.springer.com/10.1007/s00380-018-1158-9), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Immunohistochemistry: VEGF-C Antibody (107/F10) - Azide and BSA Free [NBP1-18626] - Saphenous vein wall harvested from a patient diagnosed with double-vessel CAD showing immunohistochemical staining. VEGF-C (a) & VEGFR-3 (b) reactivity in a graft wall obtained from a 67-year-old patient who developed the early graft restenosis within 7 months after coronary artery bypass grafting (the same patient as mentioned in Fig. 6). VEGF-C is localized exclusively within individual smooth muscle cells of the tunica media (TM). Cells with positive VEGFR-3 expression are situated in endothelial cells of the tunica intima (TI). c Negative control. TA tunica adventitia Image collected & cropped by CiteAb from the following publication (http://link.springer.com/10.1007/s00380-018-1158-9), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Immunohistochemistry: VEGF-C Antibody (107/F10) - Azide and BSA Free [NBP1-18626] - Immunohistochemistry of an internal thoracic artery wall harvested from a patient diagnosed with triple-vessel CAD. Immunohistochemical staining of VEGF-C (a), CAV2 (b), & CAV3 (c) in an internal thoracic artery graft harvested from a 71-year-old patient who developed early graft failure 11 months after coronary artery bypass grafting. Intensive VEGF-C & CAV3 expression is observed in the smooth muscle cells of the tunica media (TM) & in the endothelial cells of the tunica intima (TI). The presence of immunopositive expression of CAV2 (c) is limited to smooth muscle cells of the tunica media (TM). Expression of all analyzed proteins is present in the small blood vessels localized in the tunica adventitia (TA, arrows). d Negative control Image collected & cropped by CiteAb from the following publication (http://link.springer.com/10.1007/s00380-018-1158-9), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Podemska-Jedrzejczak Z, Malinska A, et al. Vascular restenosis in coronary artery bypass grafting might be associated with VEGF-C/VEGFR-3 signaling pathway. Heart Vessels 2018-09-01 [PMID: 29557990] (Human)

Fuchs CS, Tabernero J, Tomasek J et al. Biomarker analyses in REGARD gastric/GEJ carcinoma patients treated with VEGFR2-targeted antibody ramucirumab Br. J. Cancer 2016-09-13 [PMID: 27623234] (IF/IHC, Human)

Moussai D, Mitsui H, Pettersen JS et al. The human cutaneous squamous cell carcinoma microenvironment is characterized by increased lymphatic density and enhanced expression of macrophage-derived VEGF-C. J Invest Dermatol 2011-01-01 [PMID: 20827282] (ICC/IF, IF/IHC, Human)

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