Product Datasheet

VEGFR3/Flt-4 Antibody (9D9) - Azide and BSA Free
NBP1-18651

Unit Size: 0.1 mg

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

Publications: 2

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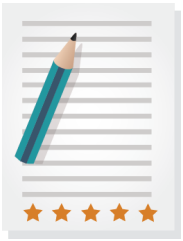
Updated 10/23/2024 v.20.1



NBP1-18651

VEGFR3/Flt-4 Antibody (9D9) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9D9
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	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description

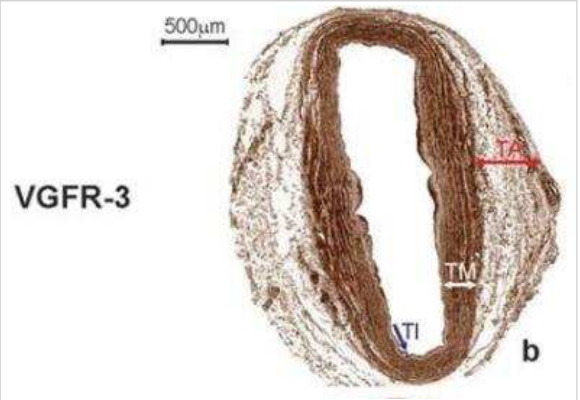
Description	Clone #1 changed to 9D9 as a more unique identifier.
Host	Mouse
Gene ID	2324
Gene Symbol	FLT4
Species	Human
Immunogen	Recombinant human soluble VEGFR-3/FLT-4

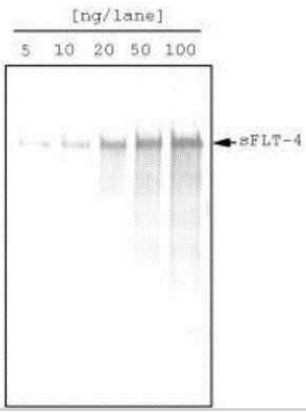
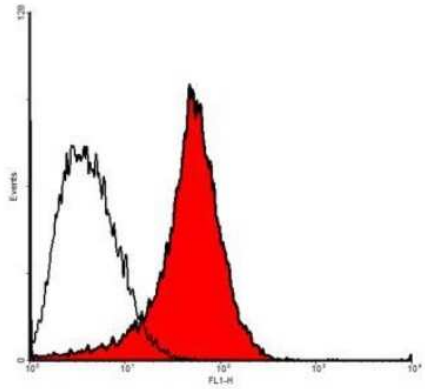
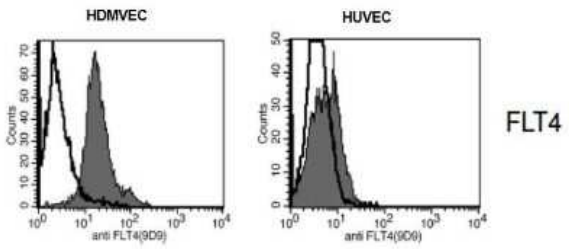
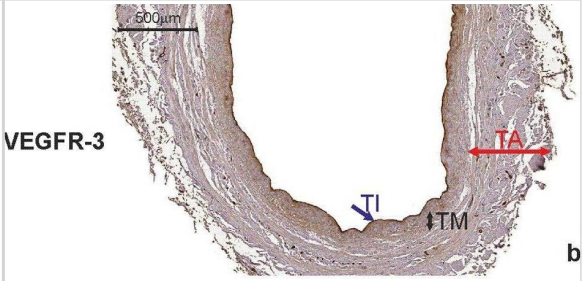
Product Application Details

Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1-5ug/ml, Flow Cytometry 1-5 ug/ml, ELISA 1-5ug/ml, Immunohistochemistry 1-10ug/ml, CyTOF-ready
Application Notes	This antibody is CyTOF ready.

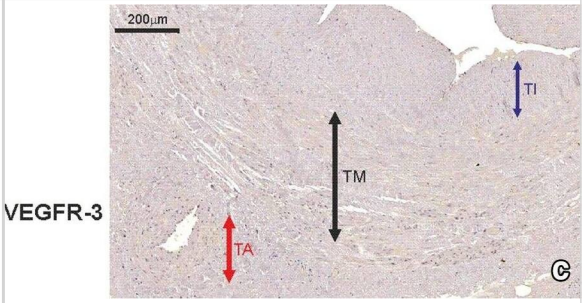
Images

Immunohistochemistry: VEGFR3/Flt-4 Antibody (9D9) [NBP1-18651] - Saphenous vein wall harvested from a patient diagnosed with triple-vessel CAD. 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. VEGFR-3 (b) is shown to be expressed by immunohistochemical staining in smooth muscle cells of the tunica media (TM) and is strongly present in 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: VEGFR3/Flt-4 Antibody (9D9) [NBP1-18651] - Analysis using recombinant human soluble VEGF Receptor 3 as target.	
Flow Cytometry: VEGFR3/Flt-4 Antibody (9D9) [NBP1-18651] - Fig. 1: Flow analysis of VEGFR-3/FLT4 expression in primary human dermal lymphatic endothelial cells (HDLEC).	
Flow Cytometry: VEGFR3/Flt-4 Antibody (9D9) [NBP1-18651] - Fig. 1: Flow analysis of VEGFR-3/FLT4 expression in primary human dermal mivrovascular endothelial cells (HDMVEC) and human umbilical vein endothelial cells (HUVEC). There is only a very weak expression of VEGFR-3/FLT4 detectable in the HUVECs but a strong one in the HDMVEC.	
Immunohistochemistry: VEGFR3/Flt-4 Antibody (9D9) - Azide and BSA Free [NBP1-18651] - 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: VEGFR3/Flt-4 Antibody (9D9) - Azide and BSA Free [NBP1-18651] - 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.



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] (IF/IHC, Human)

Agarwal S, Harter Z, Krishnamachary B, et al. EXPRESS: Sugen-Morphine (SuMo) model of pulmonary arterial hypertension Pulm Circ 2019-12-13 [PMID: 32110385] (IHC-P, Rat)

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Products Related to NBP1-18651

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-18652	VEGFR3/Flt-4 Antibody (9D9) [Biotin]

Limitations
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