

Product Datasheet

VEGFR1/Flt-1 Antibody (EWC) - Azide and BSA Free NB600-1004

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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NB600-1004

VEGFR1/Flt-1 Antibody (EWC) - 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	EWC
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

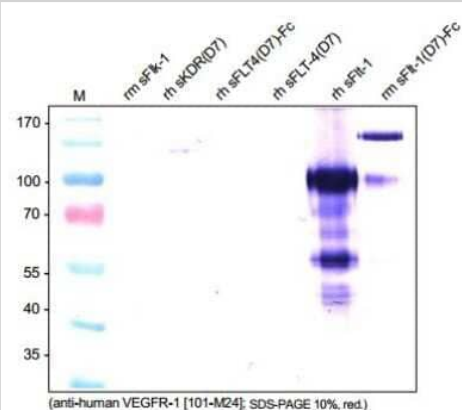
Product Description	
Description	Novus Biologicals Mouse VEGFR1/Flt-1 Antibody (EWC) - Azide and BSA Free (NB600-1004) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-VEGFR1/Flt-1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2321
Gene Symbol	FLT1
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Marker	Endothelial Cell Marker
Specificity/Sensitivity	The monoclonal will detect native and denatured human VEGFR-1/ Flt-1 in ELISA experiments and on the surface of different human cell types. The will also detect mouse Flt-1.
Immunogen	Recombinant human soluble extracellular Flt-1 (D5)

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, In vivo assay
Recommended Dilutions	Western Blot 2-5 ug/ml, ELISA 1-10 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, In vivo assay
Application Notes	Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. Use In vivo reported in scientific literature (PMID:31877123)

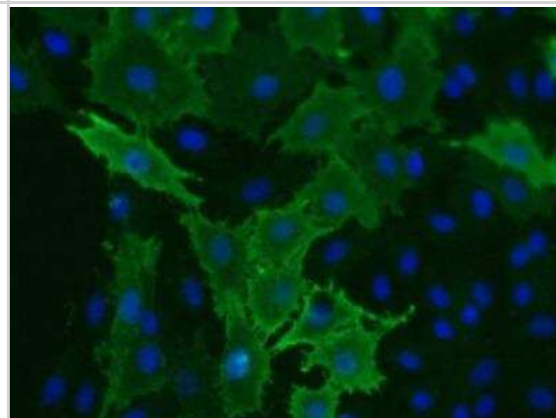


Images

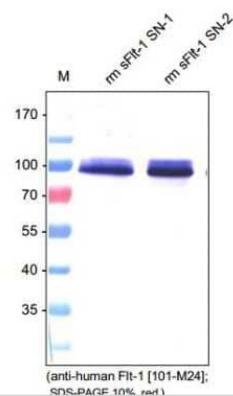
Western Blot: VEGFR1/Flt-1 Antibody (Flt-1/EWC) [NB600-1004] - Analysis of recombinant human and mouse soluble VEGF receptors using a monoclonal antibody directed against human recombinant sFlt-1 (D5). There is a cross reactivity with mouse sFlt-1(D7)-Fc but no with human and mouse sKDR and human sFLT-4 visible.



Immunocytochemistry/Immunofluorescence: VEGFR1/Flt-1 Antibody (EWC) - Azide and BSA Free [NB600-1004] - VEGFR1/Flt-1 Antibody (Flt-1/EWC) [NB600-1004] - Staining of human Flt-1 in a co-culture of PAE-Flt-1, PAE-KDR and PAE-FLT-4 with a mouse anti-human Flt-1 antibody. Conjugated secondary antibody: goat anti-mouse ALEXA Flour (1:600).



Western Blot: VEGFR1/Flt-1 Antibody (Flt-1/EWC) [NB600-1004] - Analysis of recombinant mouse soluble VEGFR-1 conditioned supernatant using a monoclonal antibody directed against human recombinant sFlt-1(D5). There is a strong cross reactivity with the mouse sFlt-1 visible.



Publications

Duan J, Lv A, Guo Z et al. CX3CR1 + /UCHL1 + microglial extracellular vesicles in blood: a potential biomarker for multiple sclerosis *Journal of Neuroinflammation* 2024-10-09 [PMID: 39385200]

Verma M, Shimizu-Motohashi Y, Asakura Y et al. Inhibition of FLT1 ameliorates muscular dystrophy phenotype by increased vasculature in a mouse model of Duchenne muscular dystrophy *PLoS Genet.* 2019-12-01 [PMID: 31877123] (In Vivo, Mouse)

Ptaszynska MM, Pendrak ML, Bandle RW, Stracke ML, Roberts DD. Positive feedback between vascular endothelial growth factor-A and autotaxin in ovarian cancer cells. *Mol Cancer Res*;6(3):352-63. 2008-03-01 [PMID: 18337445]



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Products Related to NB600-1004

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

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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