

Product Datasheet

VEGFR2/KDR/FIk-1 Antibody (4H3) - Azide and BSA Free NBP1-18644

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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NBP1-18644

VEGFR2/KDR/FIk-1 Antibody (4H3) - Azide and BSA Free

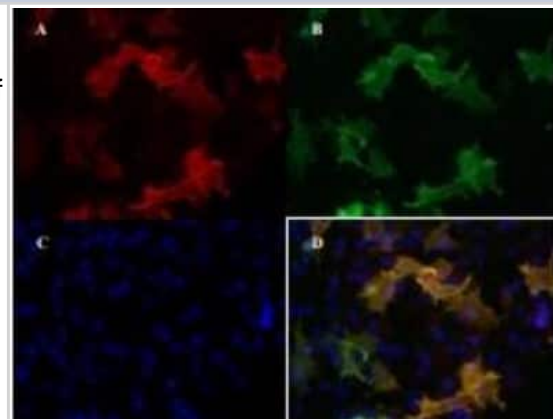
Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4H3
Preservative	No Preservative
Reconstitution Instructions	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Clone #3 changed to 4H3.
Host	Mouse
Gene ID	3791
Gene Symbol	KDR
Species	Human
Marker	Endothelial Cell Marker
Specificity/Sensitivity	The monoclonal antibody will detect native human VEGFR-2/KDR on the surface of different human cell types.
Immunogen	Recombinant human soluble extracellular KDR (D7)

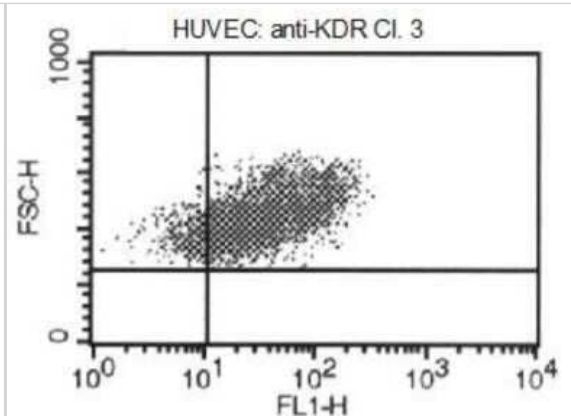
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 2 - 5 ug/ml, ELISA 1-5 ug/ml, Immunocytochemistry/ Immunofluorescence 1-5 ug/ml, CyTOF-ready
Application Notes	This antibody is Cytof ready.

Images

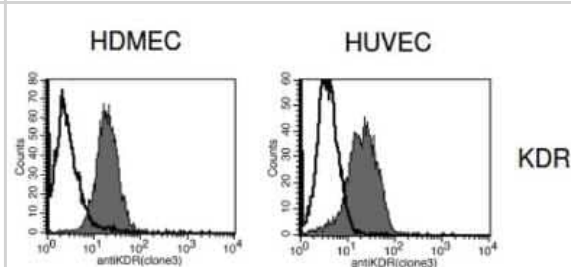
Immunocytochemistry/Immunofluorescence: VEGFR2/KDR/FIk-1 Antibody (4H3) - Azide and BSA Free [NBP1-18644] - VEGFR2/KDR/FIk-1 Antibody (4H3) [NBP1-18644] - IF double staining of human KDR in a co-culture of PAE-Flt-1, PAE-KDR and PAE-FLT-4 with (A) mouse anti-human KDR, (B) rabbit antihuman KDR (C) DAPI and (D) merged. Conjugated secondary antibody: goat anti-rabbit ALEXA Flour (1:600) and goat anti-mouse PE.



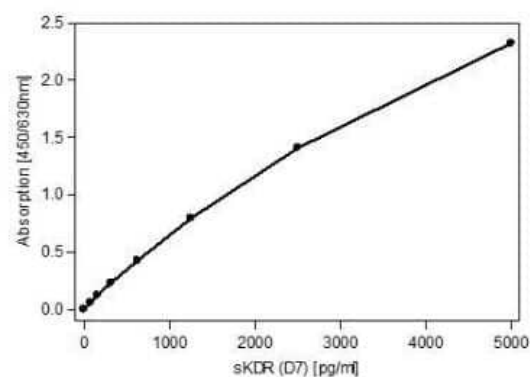
Flow Cytometry: VEGFR2/KDR/Flk-1 Antibody (4H3) [NBP1-18644] - Analysis using the Biotin conjugate of NBP1-18644. Staining of VEGFR-2/KDR expression in HUVE cells.



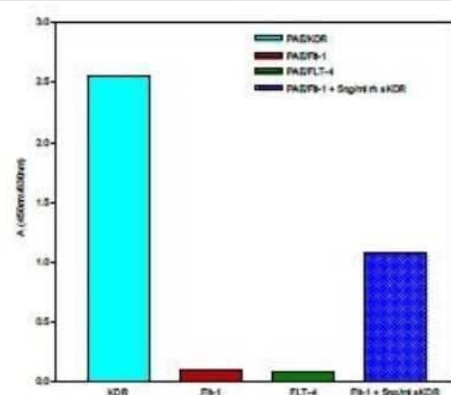
Flow Cytometry: VEGFR2/KDR/Flk-1 Antibody (4H3) [NBP1-18644] - Fig. 1: Flow analysis of VEGF R2/KDR/Flk-1 expression in primary human dermal microvascular endothelial cells (HDMVEC) and human umbilical vein endothelial cells (HUVEC).



ELISA: VEGFR2/KDR/Flk-1 Antibody (4H3) [NBP1-18644] - 1 Sandwich-ELISA using soluble KDR (D7) as standard. Mouse anti-human VEGFR-2 was used as capture antibody, Biotinylated rabbit anti-human VEGFR-2 was used for detection.



ELISA: VEGFR2/KDR/Flk-1 Antibody (4H3) [NBP1-18644] - Total lysate from PAE/KDR cells was measured for expression of VEGFR-1/KDR by a standard Sandwich ELISA using a mouse monoclonal anti-human VEGFR-1 antibody for capturing and a Biotin conjugated rabbit polyclonal anti-human VEGFR-1 antibody for detection. Total lysate from PAE/Flt-1 and PAE/FLT-4 was used as negative control. As positive control, total lysate from PAE/Flt-1 was spiked with recombinant human sKDR.



Publications

Gu J, Qiu Z, Li L et al. Geniposide alleviates choroidal neovascularization by downregulating HB-EGF release from RPE cells by downregulating the miR-145-5p/NF- κ B axis Experimental eye research 2021-05-19 [PMID: 34022175]



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Products Related to NBP1-18644

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)
NB100-529PEP	VEGFR2/KDR/Flk-1 Antibody Blocking Peptide

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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