

Anti-VEGFR2/KDR Monoclonal Antibody

Catalog Number: MA1040

About Kdr

VEGF, a homodimeric glycoprotein of relative molecular mass 45,000, is the only mitogen that specifically acts on endothelial cells. The importance of VEGF and its receptor system in tumor growth and intervention in this system may provide promising approaches to cancer therapy. VEGF receptor 2 is a member of a receptor tyrosine kinase family. Like other growth factor receptors, upon ligand binding VEGF receptor 2 dimerises and is autophosphorylated on multiple tyrosine residues.

Overview

Product Name	Anti-VEGFR2/KDR Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-VEGFR2/KDR Monoclonal Antibody catalog # MA1040. Tested in IHC applications. This antibody reacts with Human.
Application	IHC
Clonality	Monoclonal KDR-1
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	O08775

Technical Details

Immunogen	Recombinant human extracellular domain of VEGFR-2 (KDR).
Predicted Reactive Species	Monkey, Rabbit
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Immunohistochemistry (Frozen Section), 1-2ug/ml, Human

Anti-VEGFR2/KDR Monoclonal Antibody (MA1040) Images



Boster Kit Box

8 Publications Citing This Product

1. PubMed ID: 32951326, Zhang L,Zhang J,Gong Y,Lv L.Systematic and experimental investigations of the anti-colorectal cancer mediated by genistein. Biofactors.2020 Nov;46(6):974-982.doi:10.1002/biof.1677.Epub 2020 Sep 20.PMID:32951326.
2. PubMed ID: 23946799, Wang L, Liu X, Wang H, Wang S. Oncol Lett. 2013 Jul;6(1):175-180. Epub 2013 May 15. Correlation Of The Expression Of Vascular Endothelial Growth Factor And Its Receptors With Microvessel Density In Ovarian Cancer.
3. PubMed ID: 23881538, Ding G, Chen X, Zhu J, Feng Z. Cytotechnology. 2014 May;66(3):395-411. Doi: 10.1007/S10616-013-9587-X. Epub 2013 Jul 24. A Murine-Human Chimeric IgG Antibody Against Vascular Endothelial Growth Factor Receptor 2 Inhibits Angiogenesis In Vitro.

Visit bosterbio.com/anti-vegfr2-antibody-monoclonal-ma1040-boster.html to see all 8 publications.

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