

Datasheet for 200-301-P49**VEGFR2 Antibody****Overview**

Description:	Anti-VEGFR2 (MOUSE) Antibody - 200-301-P49
Item No.:	200-301-P49
Size:	100 µg
Applications:	IHC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	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. This antibody is suitable for researchers interested in cell signaling and cancer research.
Synonyms:	CD309, VEGFR, FLK1, VEGFR2, TYROSINE KINASE GROWTH FACTOR RECEPTOR, FLK1, MOUSE, HOMOLOG OF, VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR, VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR 2, Fetal liver kinase 1, Kinase insert domain receptor, Protein-tyrosine kinase receptor flk-1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	KDR-1
Format:	IgG1

Target Details

Gene Name:	KDR
Reactivity:	Human
Immunogen Type:	Recombinant Protein

Immunogen:	VEGFR2 antibody was produced in mice by repeated immunizations with recombinant protein corresponding to human extracellular domain of VEGFR-2 (KDR).
Purity/Specificity:	Anti-VEGFR2 antibody was purified from mouse ascites by protein A chromatography. This product reacts with human. Cross reactivity with VEGFR2 from other sources has not been determined.
Relevant Links:	• UniProtKB - P35968 • GeneID - 3791 • NCBI - NP_002244.1

Application Details

Tested Applications:	IHC
Application Note:	Anti-VEGFR2 is tested for Immunohistochemistry-P, Immunohistochemistry-F. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~151.5 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1:100-1:500

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	1.2% sodium acetate
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	2mg BSA
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Neutral PBS

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.