

## Anti-VEGF Receptor 2/KDR Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PA1989-Fluoro594

### About KDR

KDR (Kinase Insert Domain Receptor), also known as FLK1, VEGFR or VEGFR2, is a VEGF receptor. KDR is the human gene encoding it. Sait et al. (1995) likewise corrected the assignment to chromosome 4q11-q12 to the same region occupied also by PDGFRA and KIT, thus indicating the location of a cluster of receptor tyrosine kinase genes. Vascular endothelial growth factor (VEGF) is the only mitogen that specifically acts on endothelial cells. Its expression is upregulated by hypoxia, and its cell-surface receptor, known as fetal liver kinase-1 (Flk1) in mouse, is exclusively expressed in endothelial cells (Plate et al., 1993). Flk1 is the mouse homolog of KDR (Matthews et al., 1991).

### Overview

Product Name	Anti-VEGF Receptor 2/KDR Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P35968

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human VEGF Receptor 2.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 6 Publications Citing This Product

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1. PubMed ID: 23671638, Wu Y, You H, Ma P, Li L, Yuan Y, Li J, Ye X, Liu X, Yao H, Chen R, Lai K, Yang X. Plos One. 2013 May 9;8(5):E62827. Doi: 10.1371/Journal.Pone.0062827. Print 2013. Role Of Transient Receptor Potential Ion Channels And Evoked Levels Of Neuropeptides...
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: 25009634, Zhu Y, Tuerxun A, Hui Y, Abliz P. Exp Ther Med. 2014 Aug;8(2):647-651. Epub 2014 Jun 12. Effects Of Propranolol And Isoproterenol On Infantile Hemangioma Endothelial Cells In Vitro.

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