

Datasheet for ABIN2664545
anti-VEGFR2/CD309 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	ELISA (Capture), Cytometry by Time of Flight (CyTOF)

Product Details

Clone:	7D4-6
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	CD309 (VEGFR2 Products)
Background:	CD309, also known as VEGF-R2, KDR, and Flk-1 (mouse), is a type I transmembrane glycoprotein. It is a member of the CSF-1/PDGF receptor family of type III tyrosine kinase receptors. Human VEGF-R2 is mainly expressed by endothelial cells, embryonic tissues, and megakaryocytes. It plays an important role in the regulation of angiogenesis, vasculogenesis, and vascular permeability. The ligands of VEGF-R2 include VEGF-A, VEGF-C, and VEGF-D splice

Target Details

	isoforms. Activation of VEGF-R2 with its ligands results in the receptor dimerization and autophosphorylation, stimulating endothelial cell proliferation and migration.
Pathways:	RTK Signaling , Glycosaminoglycan Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Regulation of long-term Neuronal Synaptic Plasticity , VEGF Signaling

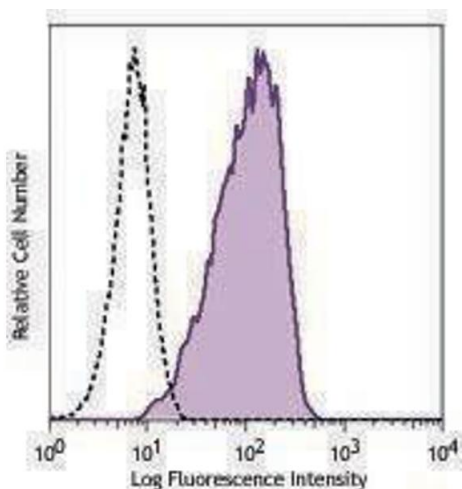
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

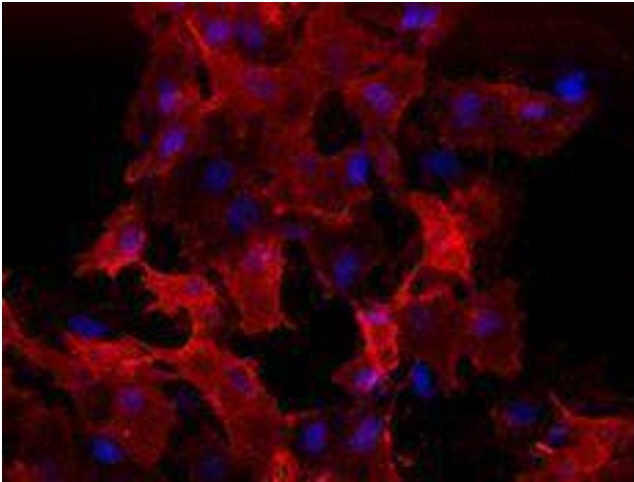
Concentration:	0.5 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Immunofluorescence

Image 2.