

Datasheet for ABIN7092983

anti-VEGFR2/CD309 antibody (AA 20-764)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	AA 20-764
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human VEGFR2(Ala20-Glu764) (ABIN6964112) produced by using human HEK293 cells
Clone:	DM185
Isotype:	IgG
Purification:	Powder

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	VEGFR2 (VEGFR2 Products)
Background:	Synonyms:CD309, FLK1, VEGFR, VEGFR2

Target Details

Description: Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin $\alpha V\beta 3$, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

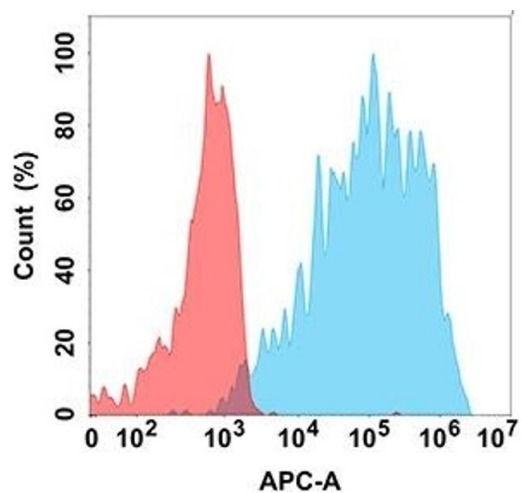
Molecular Weight:	151.5KDa
Pathways:	RTK Signaling , Glycosaminoglycan Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Regulation of long-term Neuronal Synaptic Plasticity , VEGF Signaling

Application Details

Application Notes:	ELISA 1/5000-10000, Flow Cyt 1/100
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



Flow Cytometry

Image 1. Flow cytometry analysis with Anti-VE (DM185) on Expi293 cells transfected with human VE (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).