

Datasheet for ABIN1589688

anti-VEGFR2/CD309 antibody (Biotin)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	VEGFR2/CD309 (VEGFR2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Purpose:	VEGFR-2/KDR antibody
Immunogen:	Recombinant human KDR (D1-7) (RT #S01-001)
Isotype:	IgG
Specificity:	Recombinant human KDR (D1-7)
Characteristics:	Chromosomal location: 4q11-q12 Produced from sera of rabbits immunised with highly pure recombinant human soluble extracellular domain of KDR (110 kDa) as the immunizing antigen.
Purification:	Anti-human VEGFR-2/KDR was purified by antigen-affinity chromatography with immobilised recombinant soluble VEGFR-2/KDR and then biotinylated using a standard protocol.

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
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Target Details

Alternative Name:	VEGFR-2/KDR (VEGFR2 Products)
Background:	Vascular endothelial growth factor receptor-2 , KDR, FLK1, CD309, VEGF receptor 2, VEGFR2, kinase insert domain protein receptor,VEGF R1 (Flt-1), VEGF R2 (KDR/Flk-1), and VEGF R3 (Flt-4) belong to the class III subfamily of receptor tyrosine kinases (RTKs). All three receptors contain seven immunoglobulin-like repeats in their extracellular domain and kinase insert domains in their intracellular region. They are best known for regulating VEGF family-mediated vasculogenesis, angiogenesis, and lymphangiogenesis. They are also mediators of neurotrophic activity and regulators of hematopoietic development. Human VEGF R2 is thought to be the primary inducer of VEGF-mediated blood vessel growth, while VEGF R3 plays a significant role in VEGF-C and VEGF-D-mediated lymphangiogenesis.
Gene ID:	3791
NCBI Accession:	NM_002253 , NP_002244
UniProt:	P35968
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: Use 5-15 µg/mL
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, BSA (50x), 0.02 % 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.
Handling Advice:	Centrifuge vial prior to opening.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months