



Rabbit Anti-VEGFB antibody

SL10072R

Product Name:	VEGFB
Chinese Name:	血管内皮生长因子B
Alias:	Vascular endothelial growth factor B; VEGF B; VEGFB; VEGF-B; VEGF related factor; VEGFL; Vrf; vascular endothelial growth factor B isoform VEGFB-167 precursor; VEGFB_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human VEGFB:101-207/207
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The onset of angiogenesis is believed to be an early event in tumorigenesis and may facilitate tumor progression and metastasis. Several growth factors with angiogenic activity have been described and include fibroblast growth factor (FGF), platelet derived growth factor (PDGF) and vascular endothelial growth factors (VEGFs). The VEGF protein family is comprised of VEGF, VEGF-B, VEGF-C and VEGF-D, all of which may exhibit angiogenic function in vivo. VEGF-B, which exists as two alternatively

spliced isoforms known as VEGF-B167 and VEGF-B186, is abundantly expressed in heart and skeletal muscle and is frequently co-expressed with VEGF. VEGF-C binds to and specifically activates Flt-4 and Flk-1.

Function:

Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis.

Subcellular Location:

Secreted. Secreted but remains associated to cells or to the extracellular matrix unless released by heparin.

Tissue Specificity:

Expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas.

Post-translational modifications:

VEGF-B167 is O-glycosylated.

Similarity:

Belongs to the PDGF/VEGF growth factor family.

SWISS:

P49765

Gene ID:

7423

Database links:

[Entrez Gene: 7423](#)Human

[Entrez Gene: 22340](#)Mouse

[Entrez Gene: 89811](#)Rat

[Omim: 601398](#)Human

[SwissProt: P49765](#)Human

[SwissProt: P49766](#)Mouse

[SwissProt: O35485](#)Rat

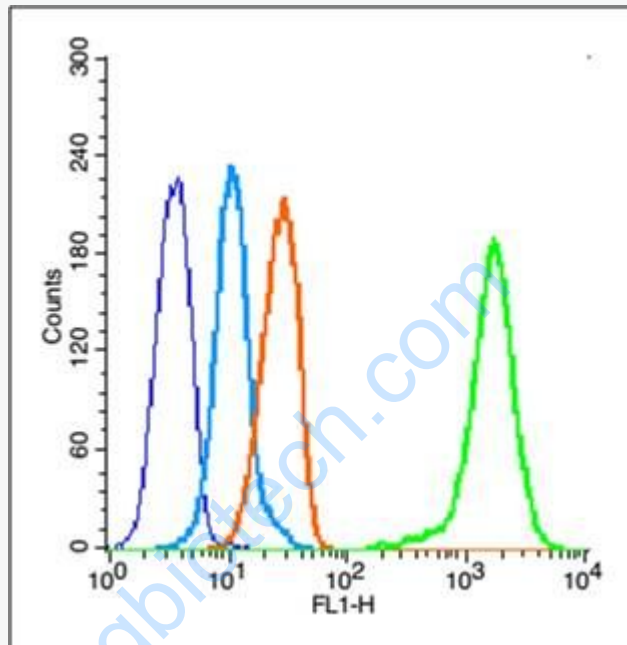
[Unigene: 78781](#)Human

[Unigene: 15607](#)Mouse

[Unigene: 198550](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Blank control (blue line): A549 (fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody (green line): Rabbit Anti-VEGFB antibody (SL10072R), Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 μ g /test.