

Rabbit polyclonal antibody to human Vascular endothelial growth factor (33-48): Affinity purified

Catalogue No.:	R-1712-100
Description:	Vascular endothelial growth factor (VEGF) is a disulfide linked homodimeric protein associated with angiogenesis, vasculogenesis and endothelial cell growth. At least 10 isoforms of VEGF are produced by alternative splicing with varying levels of expression. The isoforms VEGF189, VEGF165 and VEGF121 are widely expressed whereas the isoforms VEGF206 and VEGF145 are uncommon. Isoforms VEGF165 and VEGF121 are freely secreted whereas isoform VEGF189 remains cell associated.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide corresponding to a sequence at the N-terminus of human VEGFA(33-48aa VDIFQEYPDEIEYIFK), identical to the related mouse and rat sequences.
Other Names:	VEGF-A; Vascular permeability factor; VPF; VEGFA; VEGF;
Accession:	P15692 VEGFA_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human Vascular endothelial growth factor (isoform VEGF206) has a predicted length of 232 residues and MW of 27 kDa. A concentration of 0.5-1 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rat; expected to react with mouse due to sequence homology
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

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