

**RABBIT ANTI-HUMAN VASCULAR ENDOTHELIAL GROWTH FACTOR<sub>165</sub> [VEGF<sub>165</sub>]  
AFFINITY PURIFIED POLYCLONAL ANTIBODY**

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**CATALOG NUMBER:** AB1442                      **QUANTITY:** 100 µg  
**LOT NUMBER:**                                      **CONCENTRATION:** xx mg/mL  
**ALTERNATE NAMES:** VEGF

**BACKGROUND:** Vascular Endothelial Growth Factor (VEGF) is a potent mitogen for vascular endothelial cells. It significantly influences vascular permeability and is a strong angiogenic protein. VEGF probably also plays a role in neovascularization under physiological conditions. A potent synergism between VEGF and bFGF in the induction of angiogenesis has been observed. Due to its influences on vascular permeability, VEGF may be involved in altering blood-brain-barrier functions under normal and pathological conditions.

**SPECIFICITY:** VEGF is a homodimeric glycoprotein growth factor produced by several cell types. At least four VEGF splice variants have been identified. The recombinant VEGF antigen variant used to generate the polyclonal antibody is VEGF<sub>165</sub>, and no cross-reactivity has been noted with an extensive panel of cytokines and growth factors.

**APPLICATIONS:** Western blot: 1:100 – 1:1000  
Neutralization: 10 µg/mL  
ELISA: 1:100 – 1:1000  
*Optimal working dilutions must be determined by the end user.*

**IMMUNOGEN:** Recombinant human VEGF

**PRESENTATION:** Immunoglobulin purified by HPLC and presented in TBS (sterile filtered) containing no preservatives.

**STORAGE/HANDLING:** Maintain at 2°-8°C for up to 12 months from date of receipt. For long term storage, aliquot in convenient undiluted aliquots at -20°C. Avoid repeated freeze/thaw cycles.

**REFERENCES:** Ye, L *et al.* (2003). High efficiency transduction of human VEGF<sub>165</sub> into human skeletal myoblasts: *in vitro* studies. *Exp Mole Med* **35(5)**: 412-420.

(1997). *Cancer Research* **57**: 5590-5597.

*For research use only; not for use as a diagnostic.*

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.