

IVMB0504

Product Information

Product SKU: IVMB0504	Clone: A4.6.1	Target: VEGF
Size: 100 µg		Isotype: Human IgG1k

Additional Information

Reactivity: Human	Host Species: Human
Antibody Type: Biosimilar Recombinant Human Monoclonal Antibody	Expression Host: HEK-293 Cells

Immunogen Information

Background: Bevacizumab is a monoclonal antibody that specifically recognizes vascular endothelial growth factor (VEGF). VEGF is a growth factor that participates in angiogenesis, vasculogenesis, and endothelial cell growth. It facilitates endothelial cell proliferation, cell migration, and the permeabilization of blood vessels. In addition, VEGF inhibits apoptosis. Bevacizumab neutralizes the biological activity of VEGF by preventing the interaction of VEGF with its receptors on the surface of endothelial cells, resulting in the regression of tumor vascularization, normalization of remaining tumor vasculature, and inhibition of the formation of new tumor vasculature, thus inhibiting tumor growth.¹ Anti-Human VEGF (Bevacizumab) utilizes the same variable regions from the therapeutic antibody Bevacizumab making it ideal for research projects.

Product Concentration: 0.5 mg/ml

Applications: ELISA

Synonyms: Vascular Endothelial Growth Factor; VEGF-A; VEGFA; Vascular Permeability Factor; VPF

Antigen Distribution: VEGF is widely expressed in the thyroid, prostate, and various other tissues.

Immunogen: Recombinant human VEGF.

- Formulation:** This HRP-conjugated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4, 1% BSA. **(Warning: Use of sodium azide as a preservative will inhibit the enzyme activity of horseradish peroxidase)**
- Specificity:** This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Bevacizumab. Bevacizumab recognizes both native and reduced human VEGF (isoform 165). This product is for research use only.
- Pathogen Testing:** -
- Storage & Handling:** This horseradish peroxidase conjugated monoclonal antibody is stable when stored at 2-8°C. Do not freeze.