

IVMB0502

Product Information

Product SKU: IVMB0502

Clone: A4.6.1

Target: VEGF

Size: 100 µg

Isotype: Human IgG1κ

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: To protect mouse colonies from infection by pathogens and to assure that experimental preclinical data is not affected by such pathogens, all of Leinco's recombinant biosimilar antibodies are tested and guaranteed to be negative for all pathogens in the IDEXX IMPACT I Mouse Profile.

Storage & Handling: Functional grade biosimilar antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.