

## Anti-VEGF [Bevacizumab] Standard Size Ab00715-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** Bevacizumab

**Alternative Name(s) of Target:** ascular Endothelial Growth Factor; VEGF-A; VEGFA; Vascular Permeability Factor; VPF

**UniProt Accession Number of Target Protein:** P15692

**Published Application(s):** IP, WB, Block, ELISA, FC

**Published Species Reactivity:** Human

**Immunogen:** Recombinant human VEGF.

**Specificity:** This antibody binds native and reduced human VEGF (isoform 165).

**Application Notes:** This is a research-grade biosimilar against VEGF. VEGF is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. It induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels.

**Antibody First Published in:** Kim et al. The Vascular Endothelial Growth Factor Proteins: Identification of biologically relevant regions by neutralizing monoclonal antibodies. Growth Factors. 1992;7(1):53-64.

[PMID:1380254](#)

**Note on publication:** Describes generation of anti-hVEGF monoclonal antibodies as well as characterisation of binding by various methods. Also shows inhibition of angiogenesis and vascular permeabilization induced by human VEGF in a model organisms.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.