

## Anti-VEGF (Vascular Endothelial Growth Factor) VEGFA Monoclonal Antibody

Catalog Number: M00045

### About VEGFA

This monoclonal antibody recognizes proteins of 19-22kDa (reducing) and 38kDa-44kDa (non-reducing), identified as various isoforms of Vascular Endothelial Growth Factor or Vascular Permeability Factor (VEGF/VPF). It is highly specific to VEGF, which is a homodimeric, disulfide-linked glycoprotein with a close homology to platelet derived growth factor (PDGF). There are multiple isoforms of VEGF containing 206-, 189-, 165-, and 121-amino acid residues. The smaller two isoforms, VEGF165 and VEGF121, are secreted proteins and act as diffusible agents, whereas the larger two remain cell associated. VEGF/VPF plays an important role in angiogenesis, which promotes tumor progression and metastasis.

### Overview

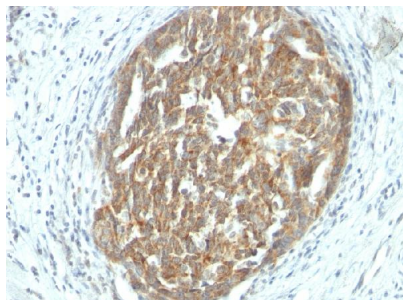
Product Name	Anti-VEGF (Vascular Endothelial Growth Factor) VEGFA Monoclonal Antibody
Reactive Species	Dog, Human, Mouse, Rabbit, Rat
Description	Boster Bio Anti-VEGF (Vascular Endothelial Growth Factor) VEGFA Monoclonal Antibody (Catalog # M00045). Tested in IF, IHC applications. This antibody reacts with Human, Mouse, Rat, Rabbit, Dog.
Conjugate	Biotin
Application	IF, IHC
Clonality	Monoclonal Clone: SPM225
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P15692

### Technical Details

Immunogen	Human VEGF189 recombinant protein
Predicted Reactive Species	Chimpanzee
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (4-8ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 8.0, for 45 min at 95&amp;degC followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>

## Anti-VEGF (Vascular Endothelial Growth Factor) VEGFA Monoclonal Antibody (M00045) Images



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Anti-VEGF Mouse Monoclonal Antibody (SPM225).

## 44 Publications Citing This Product

1. PubMed ID: 10.1186/s12935-020-1132-3, MicroRNA-4316 inhibits gastric cancer proliferation and migration via directly targeting VEGF-A
2. PubMed ID: 10.1007/s11596-009-0212-3, Inhibitory effect of extract of fungi of Huaier on hepatocellular carcinoma cells
3. PubMed ID: 10.1007/s11845-009-0315-7, Serum vascular endothelial growth factor and angiogenesis are related to the prognosis of patients with gastrointestinal stromal tumors

Visit [bosterbio.com/anti-vegf-vascular-endothelial-growth-factor-antibody-m00045-boster.html](https://www.bosterbio.com/anti-vegf-vascular-endothelial-growth-factor-antibody-m00045-boster.html) to see all 44 publications.

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