

VEGF (Vascular Endothelial Growth Factor) Antibody

Mouse Monoclonal Antibody [Clone SPM225]

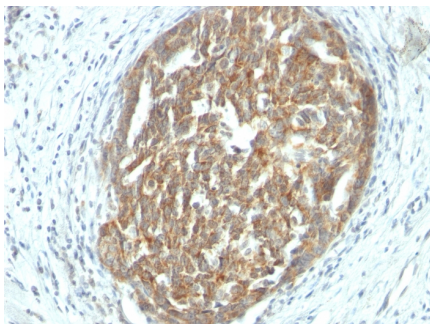
Catalog No	Format	Size
7422-MSM1X-P0	Purified Ab with BSA and Azide	200ug/ml
7422-MSM1X-P1	Purified Ab with BSA and Azide	200ug/ml
7422-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml

Product Details	
Clone	SPM225
Gene Name	VEGFA
Immunogen	Human VEGF189 recombinant protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	19-22kDa (reducing) and 38kDa-44kDa (non-reducing)
Cellular Localization	Secreted
Species Reactivity	Dog, Human, Mouse, Rabbit, Rat
Positive Control	breast or ovarian carcinomas., Tumor cells in astrocytomas

**Optimal dilution for a specific application should be determined.*

Product Images for VEGF (Vascular Endothelial Growth Factor) Antibody



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

Specificity & Comments

This MAb 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.

Research Areas

Cardiovascular, Hypoxia, Immunology, BBB VCAM-1 Signaling, Bladder Cancer, Colon Cancer, Cytokine Signaling, Infectious Disease, Neural Stem Cells, Signal Transduction, Stem Cell Differentiation, Transcription Factors

Known Applications & Suggested Dilutions

Immunofluorescence (1-2ug/ml) | 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°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.