

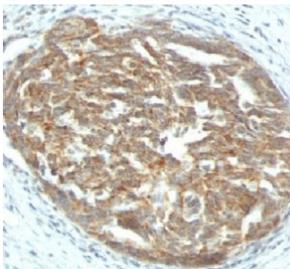
## VEGF Antibody / VEGFA [clone SPM225] (V2926)

Catalog No.	Formulation	Size
V2926-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2926-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2926SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

 Citations (4)

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	SPM225
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P15692
<b>Localization</b>	Cytoplasmic, cell surface and extracellular (secreted)
<b>Applications</b>	Immunohistochemistry (FFPE) : 4-8ug/ml for 30 min at RT
<b>Limitations</b>	This VEGF antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with VEGF antibody (clone SPM225).

## Description

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.

## Application Notes

Optimal dilution of the VEGF antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 8, for 10-20 min followed by cooling at RT for 20 min.

## Immunogen

Human recombinant protein was used as the immunogen for the VEGF antibody.

## Storage

Store the VEGF antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).