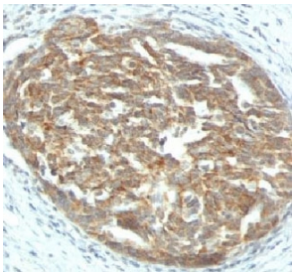
VEGF Antibody / VEGFA [clone SPM225] (V2926)

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

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