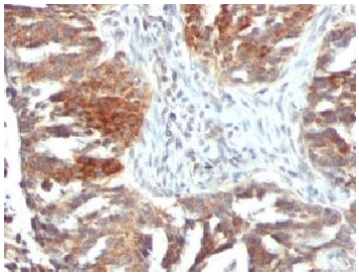
VEGF Antibody / VEGFA [clone VGFA-1] (V7175)

Catalog No.	Formulation	Size
V7175-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7175-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7175SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VGFA-1
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 (1)
Limitations	This VEGF antibody is available for research use only.



IHC testing of FFPE human ovarian carcinoma with VEGF antibody (clone VGFA-1).

Description

Vascular Endothelial Growth Factor is a member of the PDGF/VEGF growth factor family. It is a heparin-binding protein which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. [RefSeq]

Application Notes

Titering of the VEGF antibody may be required for optimal performance.

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).