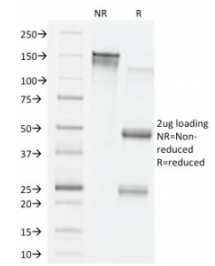
VEGF Antibody / Vascular Endothelial Growth Factor [clone VG76e] (V5490)

Catalog No.	Formulation	Size
V5490-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5490-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5490SAF-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
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VG76e
Purity	Protein A/G affinity
UniProt	P15692
Localization	Secreted
Applications	Immunofluorescence : 1-3ug/ml
Limitations	This VEGF antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free VEGF antibody (clone VG76e) as confirmation of integrity and purity.

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.

Immunogen

Human VEGF189 recombinant protein was used as the immunogen for the VEGF antibody.

Storage

Aliquot the VEGF antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.