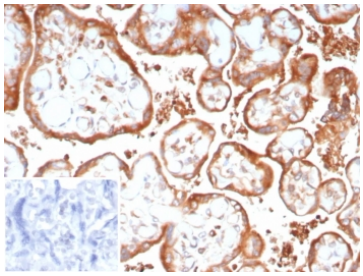
VEGFA Antibody / Vascular Endothelial Growth Factor A [clone VEGF/9366] (V5806)

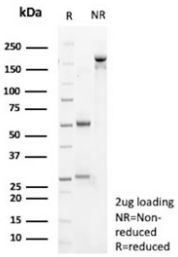
Catalog No.	Formulation	Size
V5806-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5806-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5806SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	VEGF/9366
Purity	Protein G affinity
UniProt	P15692
Localization	Cytoplasmic, cell surface and extracellular (secreted)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This VEGFA antibody is available for research use only.



IHC staining of FFPE human placenta tissue with VEGFA antibody (clone VEGF/9366). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free VEGFA antibody (clone VEGF/9366) 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.

For additional information about VEGF biology, validated applications, and related products, learn more about our VEGF Antibody, an Angiogenesis Growth Factor Antibody for investigating endothelial signaling, tumor angiogenesis, vascular remodeling, and VEGF-mediated growth factor pathways.

Application Notes

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

Immunogen

A portion of amino acids 1-200 from human VEGF protein was used as the immunogen for the VEGFA antibody.

Storage

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

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