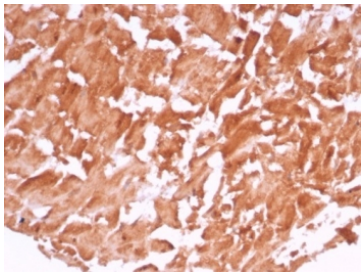
VEGF Antibody / Vascular Endothelial Growth Factor [clone VEGFA/7636R] (V5115)

Catalog No.	Formulation	Size
V5115-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5115-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5115SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

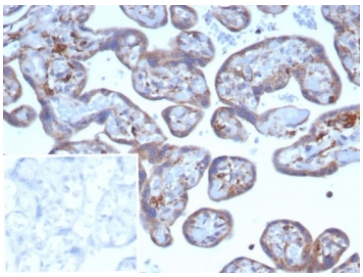
Recombinant RABBIT MONOCLONAL

Bulk quote request

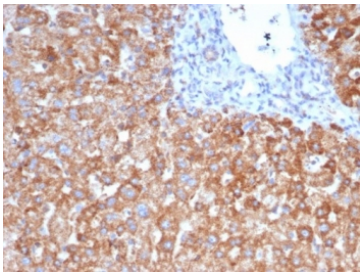
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG1, kappa
Clone Name	VEGFA/7636R
Purity	Protein A/G affinity
UniProt	P15692
Localization	Cytoplasm, Cell surface, Extracellular (secreted)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This VEGF antibody is available for research use only.



IHC staining of FFPE human heart tissue with VEGF antibody (clone VEGFA/7636R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with VEGF antibody (clone VEGFA/7636R). 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.



IHC staining of FFPE human liver tissue with VEGF antibody (clone VEGFA/7636R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 VEGF antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human 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.

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