

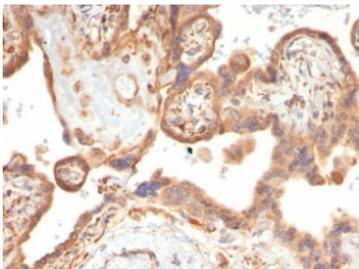
Vascular Endothelial Growth Factor Antibody / VEGF [clone VEGFA/7758R] (V5096)

Catalog No.	Formulation	Size
V5096-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5096-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5096SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

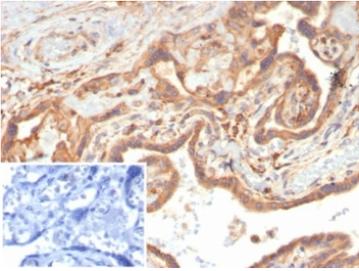
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG1, kappa
Clone Name	VEGFA/7758R
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 Vascular Endothelial Growth Factor antibody is available for research use only.



IHC staining of FFPE human placental tissue with Vascular Endothelial Growth Factor antibody (clone VEGFA/7758R). 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 Vascular Endothelial Growth Factor antibody (clone VEGFA/7758R). 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.

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 Vascular Endothelial Growth Factor 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 Vascular Endothelial Growth Factor antibody.

Storage

Aliquot the Vascular Endothelial Growth Factor antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.