

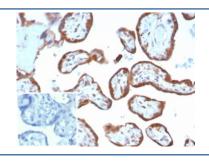
# VEGF Antibody / Vascular Endothelial Growth Factor [clone VEGFA/7635R] (V5114)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V5114-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5114-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5114SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

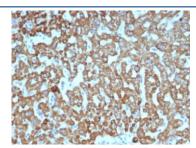
## Recombinant RABBIT MONOCLONAL

## **Bulk quote request**

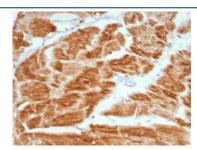
| Availability       | 1-3 business days                                      |
|--------------------|--|
| Species Reactivity | Human  |
| Format             | Purified   |
| Clonality          | Recombinant Rabbit Monoclonal                          |
| Isotype            | Rabbit IgG1, kappa                                     |
| Clone Name         | VEGFA/7635R  |
| 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 placental tissue with VEGF antibody (clone VEGFA/7635R). 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/7635R). 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 heart tissue with VEGF antibody (clone VEGFA/7635R). 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 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.