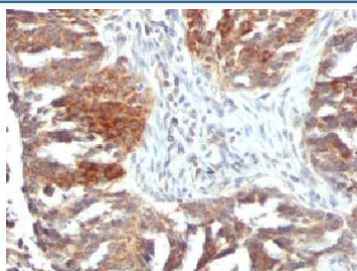


## VEGF Antibody / VEGFA [clone VGFA-1] (V7175)

| Catalog No.    | Formulation                                                                | Size   |
|----------------|----------------------------------------------------------------------------|--------|
| V7175-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7175-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V7175SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

**Bulk quote request**

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                           |
| <b>Species Reactivity</b> | Human                                                       |
| <b>Format</b>             | Purified                                                    |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                   |
| <b>Isotype</b>            | Mouse IgG1, kappa                                           |
| <b>Clone Name</b>         | VGFA-1                                                      |
| <b>Purity</b>             | Protein G affinity chromatography                           |
| <b>UniProt</b>            | P15692                                                      |
| <b>Localization</b>       | Cytoplasmic, cell surface and extracellular (secreted)      |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 4-8ug/ml for 30 min at RT (1) |
| <b>Limitations</b>        | This VEGF antibody is available for research use only.      |



IHC testing of FFPE human ovarian carcinoma with VEGF antibody (clone VGFA-1).

## Description

Vascular Endothelial Growth Factor is a member of the PDGF/VEGF growth factor family. It is a heparin-binding protein which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular

endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. [RefSeq]

## Application Notes

Titering of the VEGF antibody may be required for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 8, for 10-20 min followed by cooling at RT for 20 min.

## Immunogen

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

## Storage

Store the VEGF antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).