

36-1798: Monoclonal Antibody to VEGF (Vascular Endothelial Growth Factor)(Clone : SPM225)

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| Clonality : | Monoclonal |
| Clone Name : | SPM225 |
| Application : | IF,IHC |
| Reactivity : | Human, Mouse, Rat |
| Gene : | VEGFA |
| Gene ID : | 7422 |
| Uniprot ID : | P15692 |
| Format : | Purified |
| Alternative Name : | VEGFA,VEGF |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Human VEGF189 recombinant protein |

Description

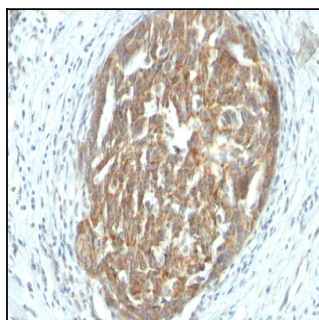
This MA b recognizes proteins of 19-22kDa (reducing) and 38kDa-44kDa (non-reducing), identified as various isoforms of Vascular Endothelial Growth Factor or Vascular Permeability Factor (VEGF/VPF). It is highly specific to VEGF, which is a homodimeric, disulfide-linked glycoprotein with a close homology 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.

Product Info

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (4-8ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 8.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with VEGF Monoclonal Antibody (SPM225).