

Product datasheet

anti-Vascular Endothelial Growth Factor (VEGF) mouse monoclonal, VEGF-21, purified

Short overview

Cat. No.	691724
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	VEGF-21
Immunogen	Human VEGF189 recombinant protein
Formulation	PBS with 0.02% sodium azide
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Dog, Human, Mouse, Rabbit, Rat

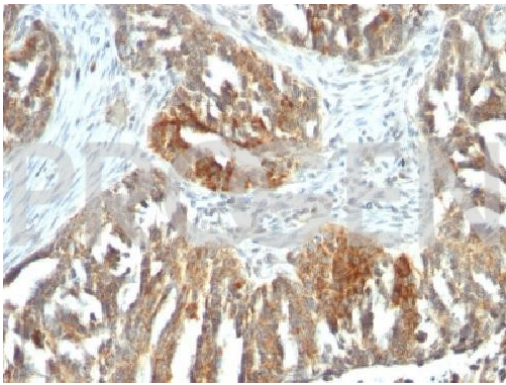
Applications

Flow Cytometry (FACS)	1-2 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:25-1:50 (2-4 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:25-1:50 (2-4 µg/ml); microwave treatment in 10 mM citrate buffer pH 6.0 recommended

Background

VEGF-21 reacts with Vascular Endothelial Growth Factor, also known as Vascular Permeability Factor (VEGF/ VPF) and is the key mediator of angiogenesis. The MWs are 19-22kDa (reducing) and 38kDa-44kDa (non-reducing). 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. In addition to endothelial cells, VEGF and VEGF receptors are expressed on numerous non-endothelial cells including tumor cells.

Positive control: Astrocytomas, breast or ovarian carcinomas.



Ovarian cancer