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12-9219-PE: PE-conjugated Anti-VEGFA antibody(DMC276); IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	DMC276
Application :	Flow Cyt
Reactivity :	Human
Conjugate :	PE-conjugated
Gene :	VEGFA
Uniprot ID :	P15692
Alternative Name :	MVCD1; VEGF; VPF
Isotype :	Rabbit/Human Fc chimeric IgG1

Description

This gene is a member of the PDGF:VEGF growth factor family. It encodes 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. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms. A recent study showed that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism; and that this isoform is antiangiogenic. Expression of some isoforms derived from the AUG start codon is regulated by a small upstream open reading frame; which is located within an internal ribosome entry site.

Product Info

Amount :	100 Test
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Liquid PBS with 0.05% Proclin300, 1% BSA
Storage condition :	Store at 2°C-8°C for 6 months

Application Note

Flow Cyt 1:100

For Research Use Only. Not for use in diagnostic/therapeutics procedures.