Product Datasheet

Vascular Endothelial Growth Factor (VEGF) Mouse Monoclonal Antibody (Capture) (orb1921747)

Catalog Number	orb1921747
Category	Antibodies
Description	This protein 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.
Clonality	Monoclonal
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Mouse
Form/Appearance	Purified,Liquid
Buffer/Preservatives	PBS, pH 7.4
Purity	>95% pure (SDS-PAGE)
Purification	Protein A Chromatography

Biorbyt Ltd.
7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

MW	150 kDa
Tested applications	CLIA
Specificity	Specific for VEGF
Matched Pairs	Control:orb2280029; Capture: orb1921747; Detection: orb1921748;
Source	Mammalian cell
Sample Types	Test sample type: Serum / Plasma. Test sample source: Human
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

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