

## Product Datasheet

# Vascular Endothelial Growth Factor (VEGF) Mouse Monoclonal Antibody (Detection) (orb1921748)

<b>Catalog Number</b>	orb1921748
<b>Category</b>	Antibodies
<b>Description</b>	<p>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.</p>
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Mouse
<b>Form/Appearance</b>	Purified,Liquid
<b>Buffer/Preservatives</b>	PBS, pH 7.4
<b>Purity</b>	>95% pure (SDS-PAGE)
<b>Purification</b>	Protein A Chromatography

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<b>MW</b>	150 kDa
<b>Tested applications</b>	CLIA
<b>Specificity</b>	Specific for VEGF
<b>Matched Pairs</b>	Control:orb2280029; Capture: orb1921747; Detection: orb1921748;
<b>Source</b>	Mammalian cell
<b>Sample Types</b>	Test sample type: Serum / Plasma. Test sample source: Human
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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