

Mouse Monoclonal Antibody to VEGFA

Catalogue Number	sAP-1307
Target Molecule	Name: VEGFA Aliases: VPF; VEGF; MVCD1 MW: 27kDa Entrez Gene ID: 7422
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
Immunogen	Purified recombinant fragment of human VEGFA (AA: 207-371) expressed in E. Coli.
Recitative Species	Human;
Clone	MM6G5B5;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: 1 to 200 - 1 to 1000; FCM:
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Oncol Rep. 2014 Dec;32(6):2359-64. ; 2.Eur J Cancer. 2014 Nov;50(16):2855-65. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**