

Recombinant

DGRmAb®

## VEGFA (DGR15508) Rabbit mAb (PBS Only)

db15046-PBS

Package : 10µg 100µg

**Product Name** : VEGFA (DGR15508) Rabbit mAb (PBS Only)**Cat.No.:** db15046-PBS**Synonyms** : VPF; VEGF; MVCD1**Application** : IHC-P, ICC/IF, FC**Reactivity** : Human,Mouse**Host species** : Rabbit**Background**

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. [provided by RefSeq, Nov 2015]

**Immunogen**

A synthetic peptide of human VEGFA

**Gene ID**

7422, 22339

**Swiss Prot**

P15692, Q00731

**Synonyms**

VPF; VEGF; MVCD1

**Reactivity**

Human,Mouse

**Application**

IHC-P, ICC/IF, FC

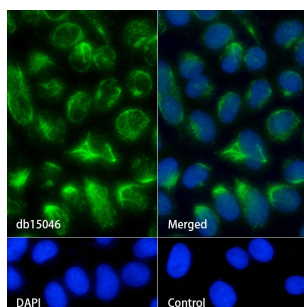
**Calculated MW**

27 kDa

**Host species**

Rabbit

<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR15508
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HepG2 cells labelling VEGFA with [db15046](#).

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db15046](#) (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.