

## Product datasheet for **TA420157**

### Vegfa Mouse Monoclonal Antibody [Clone ID: CH-10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CH-10
Applications:	WB
Reactivity:	Rat, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant mouse VEGF.
Specificity:	VEGF
Formulation:	Phosphate buffered saline containing 0.1% Sodium Azide (NaN <sub>3</sub> ) <b>Label:</b> Purified <b>State:</b> Purified IgG prepared by affinity chromatography from ascites Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	vascular endothelial growth factor A
Database Link:	<a href="#">Q00731</a>
Background:	Mouse anti Mouse VEGF antibody, clone CH-10 recognises VEGF (vascular endothelial growth factor), a heparin-binding cytokine and member of the PDGF/VEGF growth factor family, which exists as several splice variants of the VEGF gene. VEGF, originally named vascular permeability factor due to its ability to act as vasodilator and increase microvascular permeability, is a potent stimulator of angiogenesis of both normal and cancerous cells, and acts as a regulator of vasculogenesis. The functional forms of VEGF exist as disulphide-linked homodimers and are classified according to the number of amino acid residues within a constitutive polypeptide chain e.g VEGF165. All VEGF family members act through binding to the tyrosine kinase receptors VEGFR-1 (Flt-1) and VEGFR-2 (KDR/CD309), whilst the closely-related VEGF-C and VEGF-D, can also bind to VEGFR-3 (Flt-4).



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**Synonyms:** MGC70609; MVCD1; VEGF; VEGF-A; VPF