

VEGF-A (AB2304) mouse mAb

W0158

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- WB; IF; ELISA

MW

- 27 kDa (calculated)
- 37 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

WB; IF; ELISA

Dilution

WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB2304

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human VEGF - A protein.

Specificity This antibody detects endogenous levels of VEGF-A protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name VEGFA

Protein Name VEGF-A

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P15692	7422

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

W0158-V.2-EN



2200 Ringwood Ave. San Jose, CA 95131

1 (877) 594-3616 (Toll Free), (408) 747-0185

www.assaybiotechnology.com

tech@assaybiotech.com | order@assaybiotech.com
