

Purified anti-mouse VEGF-A

Catalog # / Size: 512901 / 50 µg
512902 / 200 µg

Clone: 1F07-2C01

Isotype: Rat IgG, κ

Immunogen: N-terminal 24 aa sequence of murine VEGF

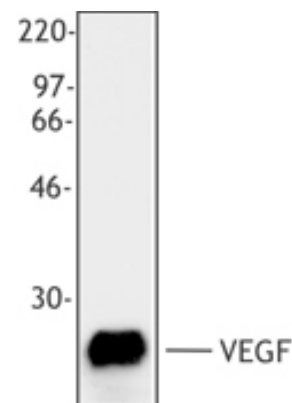
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Western blot analysis of recombinant mouse VEGF protein using anti-VEGF, clone 1F07-2C01.

Applications:

Applications: WB - *Quality tested*
IHC - *Reported in the literature*

Application Notes: **Western Blotting:** It is suggested to use 0.5-2 µg/ml for WB.
Immunohistochemistry: Clone 1F07-2C01 is recommended for IHC on saponin-treated frozen tissue sections at a concentration range of 5-10 µg/ml.

It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Reinders MEJ, *et al.* 2003. *J. Clin. Invest.* 112:1655.
2. Kirsch AH, *et al.* 2012. *Am J Physiol Renal Physiol.* 303:569. PubMed.

Description: VEGF-A, also known as VEGF (vascular endothelial growth factor), is the founding member of the family including VEGF (VEGF-A), VEGF-B, VEGF-C, VEGF-D, VEGF-E, and PlGF. Vascular endothelial growth factors (VEGFs) are a family of secreted polypeptides with a highly conserved receptor-binding cystine-knot structure similar to that of the platelet-derived growth factors. VEGF-A has important roles in mammalian vascular development and in diseases involving abnormal growth of blood vessels such as tumor-related angiogenesis. VEGF-A is produced by diverse cell types, including aortic vascular smooth muscle cells, keratinocytes, macrophages and many tumor cells. Oxygen tension is a key physiological regulator of VEGF-A gene expression.

Antigen References: 1. Contreras A, *et al.* 2007. *Am. J. Transpl.* 7:155.
2. Lambrechts D and Carmeliet P. 2007. *Biochim. Biophys. Acta.* 1762:1109.
3. Tong JP and Yao YF. 2006. *Clin. Biochem.* 39:267.
4. Reinders MEJ, *et al.* 2003. *J. Clin. Invest.* 112:1655
5. Ferrara N, *et al.* 2003. *Nat. Med.* 9:669.
6. Shibuya M. 2001. *Cell Struct. Funct.* 26:25.
7. Senger DR, *et al.* 1983. *Science* 219:983.

Related Products: Product

Biotin Goat anti-rat IgG (minimal x-reactivity)
HRP Goat anti-rat IgG (minimal x-reactivity)
AKP Goat anti-rat IgG (minimal x-reactivity)

Clone

Poly4054
Poly4054
Poly4054

Application

FC, ELISA, WB
ELISA, IF, IHC, WB
ELISA, WB



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