

Datasheet: AAM51B

Description:	RABBIT ANTI MOUSE VEGF:Biotin
Specificity:	VEGF
Other names:	VPF
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			0.25ug/ml - 1.0ug/ml
Western Blotting	▪			0.10ug/ml - 0.20ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 0.5 ml sterile PBS containing 0.1% bovine serum albumin Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Antiserum Preparation	Antisera to mouse VEGF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml after reconstitution
Immunogen	Recombinant mouse VEGF

**External Database
Links**

UniProt:

[Q00731](#) [Related reagents](#)

Entrez Gene:

[22339](#) Vegfa [Related reagents](#)

Synonyms

Vegf

Specificity

Rabbit anti Mouse VEGF antibody recognizes mouse Vascular Endothelial Growth Factor (VEGF), a protein active in angiogenesis, vasculogenesis and endothelial cell growth.

Rabbit anti Mouse VEGF antibody has not been cross adsorbed and may react with homologous proteins from related species.

ELISA

This antibody may be used in direct ELISA or as a detection reagent in a sandwich ELISA with [AAM51](#) as a capture reagent and [PMP67](#) as the standard.

References

1. Nahrendorf, M. *et al.* (2007) The healing myocardium sequentially mobilizes two monocyte subsets with divergent and complementary functions. [J Exp Med. 204: 3037-47.](#)
2. Araújo, W.F. *et al.* (2015) Renin-angiotensin system (RAS) blockade attenuates growth and metastatic potential of renal cell carcinoma in mice. [Urol Oncol. 33 \(9\): 389.e1-7.](#)
3. Lin, E.Y. *et al.* (2007) Vascular endothelial growth factor restores delayed tumor progression in tumors depleted of macrophages. [Mol Oncol. 1: 288-302.](#)
4. HogenEsch H *et al.* (2016) Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. [Exp Mol Pathol. Oct 26. pii: S0014-4800\(16\)30084-3. \[Epub ahead of print\]](#)
5. Hogenesch, H. *et al.* (2016) Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. [Exp Mol Pathol. 101 \(3\): 303-7.](#)

Storage

Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

**North & South
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M317018:180615'

Printed on 21 Jun 2018