

Datasheet: AAM51

**BATCH NUMBER 164812**

<b>Description:</b>	RABBIT ANTI MOUSE VEGF
<b>Specificity:</b>	VEGF
<b>Other names:</b>	VPF
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.5ug/ml
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 0.2ug/ml
Immunofluorescence	▪			2.5ug/ml
Functional Assays	▪			1.0ug/ml - 2.0ug/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 appropriate negative/positive controls.

**(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. 1mM EDTA buffer pH 8.0 is recommended for this purpose.**

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	<p>Reconstitute with 0.1ml distilled water</p> <p>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. For long term storage the addition of 0.09% sodium azide is recommended.</p>

N.B. For functional studies do not add sodium azide

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**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.

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml after reconstitution.

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**Immunogen** [Recombinant mouse VEGF](#)

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**External Database Links**

**UniProt:**

[Q00731](#)

[Related reagents](#)

**Entrez Gene:**

[22339](#)

Vegfa

[Related reagents](#)

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**Synonyms** Vegf

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**RRID** AB\_2288247

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**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.

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**ELISA** This antibody may be used in indirect ELISA or as a capture reagent in a sandwich ELISA with [AAM51B](#) as a detection reagent and [PMP67](#) as the standard.

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**Histology Positive Control Tissue** Kidney

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**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. Lin, E.Y. *et al.* (2007) Vascular endothelial growth factor restores delayed tumor progression in tumors depleted of macrophages. [Mol Oncol. 1: 288-302.](#)
3. 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.](#)
4. HogenEsch, H. *et al.* (2016) Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. [Exp Mol Pathol. 101 \(3\): 303-307.](#)

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**Storage** Prior to reconstitution store at -20°C.  
After 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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10294 available at:  
<https://www.bio-rad-antibodies.com/SDS/AAM51>  
10294

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M402180:220718'

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