

## Datasheet: AAM51

<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

**RRID** AB\_2288247

### 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.**

**Target Species** Mouse

**Product Form** Purified IgG - lyophilised

**Reconstitution** Reconstitute with 0.1ml distilled water  
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.  
N.B. For functional studies do not add sodium azide

**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

<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant mouse VEGF</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q00731</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">22339</a> Vegfa    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Vegf
<b>Specificity</b>	<p><b>Rabbit anti Mouse VEGF antibody</b> recognizes mouse Vascular Endothelial Growth Factor (VEGF), a protein active in angiogenesis, vasculogenesis and endothelial cell growth.</p> <p>Rabbit anti Mouse VEGF antibody has not been cross adsorbed and may react with homologous proteins from related species.</p>
<b>ELISA</b>	This antibody may be used in indirect ELISA or as a capture reagent in a sandwich ELISA with <a href="#">AAM51B</a> as a detection reagent and <a href="#">PMP67</a> as the standard.
<b>Histology Positive Control Tissue</b>	Kidney
<b>References</b>	<ol style="list-style-type: none"> <li>Nahrendorf, M. <i>et al.</i> (2007) The healing myocardium sequentially mobilizes two monocyte subsets with divergent and complementary functions. <a href="#">J Exp Med. 204: 3037-47.</a></li> <li>Araújo, W.F. <i>et al.</i> (2015) Renin-angiotensin system (RAS) blockade attenuates growth and metastatic potential of renal cell carcinoma in mice. <a href="#">Urol Oncol. 33 (9): 389.e1-7.</a></li> <li>Lin, E.Y. <i>et al.</i> (2007) Vascular endothelial growth factor restores delayed tumor progression in tumors depleted of macrophages. <a href="#">Mol Oncol. 1: 288-302.</a></li> <li>HogenEsch H <i>et al.</i> (2016) Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. <a href="#">Exp Mol Pathol. Oct 26. pii: S0014-4800(16)30084-3. [Epub ahead of print]</a></li> <li>Hogenesch, H. <i>et al.</i> (2016) Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. <a href="#">Exp Mol Pathol. 101 (3): 303-7.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety</b>	Material Safety Datasheet documentation #10162 available at:

**Information** 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[DyLight@680](#), [DyLight@800](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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**Printed on 15 Mar 2019**

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