

Datasheet: AAM51

Description:	RABBIT ANTI MOUSE VEGF
Specificity:	VEGF
Other names:	VPF
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 - lyophilized
Reconstitution	<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> <p>N.B. For functional studies do not add sodium azide</p>

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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution.
Immunogen	Recombinant mouse VEGF
External Database Links	<p>UniProt: Q00731 Related reagents</p> <p>Entrez Gene: 22339 Vegfa Related reagents</p>
Synonyms	Vegf
RRID	AB_2288247
Specificity	<p>Rabbit anti Mouse VEGF antibody 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>
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.
Histology Positive Control Tissue	Kidney
References	<ol style="list-style-type: none"> Nahrendorf, M. <i>et al.</i> (2007) The healing myocardium sequentially mobilizes two monocyte subsets with divergent and complementary functions. J Exp Med. 204: 3037-47. Lin, E.Y. <i>et al.</i> (2007) Vascular endothelial growth factor restores delayed tumor progression in tumors depleted of macrophages. Mol Oncol. 1: 288-302. Araújo, W.F. <i>et al.</i> (2015) Renin-angiotensin system (RAS) blockade attenuates growth and metastatic potential of renal cell carcinoma in mice. Urol Oncol. 33 (9): 389.e1-7. HogenEsch, H. <i>et al.</i> (2016) Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. Exp Mol Pathol. 101 (3): 303-307.
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.

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

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- 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
'M402180:220718'

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