

## Datasheet: AAR42

<b>Description:</b>	RABBIT ANTI RAT 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			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.05 - 0.1ug/ml

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Rat
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	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.
<b>Antiserum Preparation</b>	Antiserum to rat VEGF was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution

<b>Immunogen</b>	<a href="#">Recombinant rat VEGF</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P16612</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">83785</a>   Vegfa   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Vegf
<b>Specificity</b>	<p><b>Rabbit anti Rat VEGF antibody</b> specifically recognizes rat VEGF (vascular endothelial growth factor), a heparin-binding cytokine and member of the PDGF/VEGF growth factor family, which acts as a vasodilator, regulator of vasculogenesis, and is a potent stimulator of angiogenesis of both normal and cancerous cells.</p> <p>All VEGF family members act through binding to the tyrosine kinase receptors VEGFR-1 (Flt-1) and VEGFR-2 (KDR/CD309), and the functional forms of VEGF, which exist as disulphide-linked homodimers, are classified according to the number of amino acid residues within a constitutive polypeptide chain e.g VEGF<sub>165</sub>.</p>
<b>ELISA</b>	Purified rabbit anti rat VEGF may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our <a href="#">biotinylated VEGF antibody</a> as the detection reagent.
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.  Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	<p>3 months from date of reconstitution.</p> <p>Please see label for expiry date.</p>
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

### Recommended Useful Reagents

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

**North & South** Tel: +1 800 265 7376

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