

## Datasheet: PMP67

**BATCH NUMBER 166123**

<b>Description:</b>	RECOMBINANT MOUSE VEGF
<b>Name:</b>	VEGF
<b>Other names:</b>	VPF
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			1.0ng/ml - 5.0ng/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.

#### Target Species

Mouse

#### Product Form

Purified Recombinant Protein - lyophilized

#### Reconstitution

Reconstitute with 0.1 ml 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

#### Preparation

Recombinant protein expressed in *E. coli*

#### Source

E.coli

#### Buffer Solution

20mM Acetic Acid

#### Preservative

None present

**Stabilisers**

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**Carrier Free** Yes

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**Endotoxin Level** < 0.1 ng/ug

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**Approx. Protein Concentrations** 0.1 mg/ml after reconstitution

**External Database Links****UniProt:**

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

**Entrez Gene:**

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

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**Synonyms** Vegf

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**Product Information** Murine vascular endothelial growth factor (VEGF) is a homodimeric protein, where each subunit is 165 amino acids in length. Murine VEGF is expressed by various vascularized tissues and is reported to stimulate endothelial cell growth and angiogenesis.

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**Protein Molecular Weight** 39 kDa (homodimer of 165 amino acid sequence)

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**Purity** >98% by SDS page and HPLC analysis

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**ELISA** PMP67 may be used in ELISA applications with either [AAM51](#) or [AAM51B](#).

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**References** 1. Avraham-Lubin, B.C. *et al.* (2012) VEGF induces neuroglial differentiation in bone marrow-derived stem cells and promotes microglia conversion following mobilization with GM-CSF. [Stem Cell Rev Rep. 8 \(4\): 1199-210.](#)

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**Storage** Prior to reconstitution store at -20°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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #10527 available at: <https://www.bio-rad-antibodies.com/SDS/PMP67>  
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**Regulatory** For research purposes only

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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)

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