Datasheet: PMP67

BATCH NUMBER 159218

Description:	RECOMBINANT MOUSE VEGF
Name:	VEGF
Other names:	VPF
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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*
Buffer Solution	20mM Acetic Acid
Preservative Stabilisers	None present

Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	**UniProt:** Q00731 Related reagents **Entrez Gene:** 22339 Vegfa Related reagents
Synonyms	Vegf
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.
Protein Molecular Weight	39 kDa (homodimer of 165 amino acid sequence)
Purity	>98% by SDS page and HPLC analysis
ELISA	PMP67 may be used in ELISA applications with either AAM51 or AAM51B.
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.
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.
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.
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PMP67 10527
Regulatory	For research purposes only

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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

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