Datasheet: PMP67

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 protein 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 apprpriate negative/positive controls.

Target Species	Mouse
Product Form	Purified Recombinant Protein - 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
Preparation	Recombinant protein expressed in *E. coli*.
Buffer Solution	0.1% Trifluoroacetic acid.
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution.
External Database	**UniProt:**

Links	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 vascularised tissues and is reported to stimulate endothelial cell growth and angiogenesis.
Protein Molecular Weight	39kD (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.
Storage	Prior to reconstitution store at +4^{o}C. Following reconstitution store at -20^{o}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.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet Documentation #10240 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10240.pdf
Regulatory	For research purposes only

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