

Datasheet: PHP091

Description:	RECOMBINANT HUMAN VEGF
Name:	VEGF
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 - 100ng/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 protein for use in their own system using appropriate positive/negative controls.

Target Species	Human
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilised
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.
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	<p>UniProt: P15692 Related reagents</p> <p>Entrez Gene: 7422 VEGFA Related reagents</p>

Synonyms	VEGF
Product Information	VEGF is a homodimeric protein produced by various vascularized tissues. Activities include stimulation of endothelial cell growth, angiogenesis and capillary permeability.
Protein Molecular Weight	38kD (2 x 165 Amino acid sequence)
Purity	>98% by SDS PAGE and HPLC analysis
ELISA	PHP091 may be used in ELISA applications with either AHP831 or AHP831B .
Western Blotting	PHP091 may be used under reducing or non-reducing western blotting conditions with either AHP831 or AHP831B .
References	1. Easton, C.D. <i>et al.</i> (2014) Application of layer-by-layer coatings to tissue scaffolds – development of an angiogenic biomaterial. Journal of Materials Chemistry B. 2, 5558-68
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 #10268 available at: 10268: https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[GOAT ANTI HUMAN VEGF \(AHP831\)](#)

[GOAT ANTI HUMAN VEGF:Biotin \(AHP831B\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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