

Datasheet: MCA5750Z

Description:	MOUSE ANTI HUMAN VEGF:Preservative Free
Specificity:	VEGF
Other names:	VPF
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	4B2-8
Isotype:	IgG1
Quantity:	0.5 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			2.0 - 4.0ug/ml
Immunoprecipitation			■	
Western Blotting	■			0.25 - 0.50ug/ml
Functional Assays	■			0.1 - 0.2ug/ml

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

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.5 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.
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	Highly pure recombinant human VEGF₁₆₅ (PHP091).
External Database Links	<p>UniProt: P15692 Related reagents</p> <p>Entrez Gene: 7422 VEGFA Related reagents</p>
Synonyms	VEGF
RRID	AB_10897188
Specificity	<p>Mouse anti Human Vascular endothelial growth factor antibody, clone 4B2-8 recognizes human Vascular endothelial growth factor A , also known as VEGF-A or Vascular permeability factor. VEGF-A is a 206 amino acid ~45 kDa disulphide linked homodimeric heparin-binding cytokine and member of the PDGF/VEGF growth factor family, which exists as several splice variants of the VEGF gene, and is a potent stimulator of angiogenesis of both normal and cancerous cells, and acts as a regulator of vasculogenesis.</p> <p>The functional forms of VEGF are classified according to the number of amino acid residues within a constitutive polypeptide chain e.g VEGF₁₆₅, and all VEGF family members act through binding to the tyrosine kinase receptors VEGFR-1 (Flt-1) and VEGFR-2 (KDR/CD309), whilst the closely-related VEGF-C and VEGF-D, can also bind to VEGFR-3 (Flt-4).</p>
ELISA	MCA5750Z may be used in a sandwich ELISA with AHP831B as the detection antibody and PHP091 as the standard.
Western Blotting	MCA5750Z detects a band of approximately 38.2kDa using recombinant human VEGF ₁₆₅ PHP091 under non-reducing conditions.
Storage	<p>This product is shipped at ambient temperature. Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.</p>

Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/MCA5750Z 10294
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)
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