

Datasheet: MCA5331Z

Description:	MOUSE ANTI HUMAN VEGF RECEPTOR 3:Preservative Free
Specificity:	VEGF RECEPTOR 3
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	5B5
Isotype:	IgG2a
Quantity:	0.1 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
Western Blotting	■			0.1 - 10 ug/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	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 34-133 of human VEGF receptor 3.
External Database Links	UniProt: P35916 Related reagents Entrez Gene: 2324 FLT4 Related reagents
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity	Mouse anti Human VEGF receptor 3 antibody, clone 5B5 recognizes human vascular endothelial growth factor receptor 3, also known as Fms-like tyrosine kinase 4, FLT-4 or Tyrosine-protein kinase receptor FLT4. FLT-4 is a 1339 amino acid ~160 kDa single pass type 1 transmembrane glycoprotein receptor for VEGFC and VEGFD, playing an essential role in adult lymphangiogenesis. Three isoforms produced by alternative splicing have been described. Mouse anti Human VEGF receptor 3 antibody, clone 5B5 binds to the canonical isoform 1, isoforms 2 and 3 also preserve the complete unaltered immunogen sequence used to generate clone 5B5 and therefore also be expected to be recognized by the antibody. Mutations of the FLT4 gene can lead to Lymphedema, hereditary, 1A (LMPH1A), a chronic condition with swelling of the extremities caused by alterations in lymph flow (Irrthum et al. 2000). Mutations can also lead to increases susceptibility to Hemangioma, capillary infantile (HCI), a condition characterised by sharply demarcated skin hemangiomas present at birth or within the first few months after birth as a result of highly proliferative capillary endothelial growth. These generally undergo regression and involution (Walter et al. 2002).
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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Printed on 01 May 2018

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