

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

RRID AB_2105121

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	<p>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.</p> <p>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.</p> <p>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).</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South Tel: +1 800 265 7376

America 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

'M338979:181217'

Printed on 02 Jan 2019

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)