

Datasheet: MCA3595Z

BATCH NUMBER 152774

Description:	MOUSE ANTI HUMAN MTMR2:Preservative Free
Specificity:	MTMR2
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	4G6
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

Species Cross Reactivity

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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 5-101 of human MTMR2
External Database Links	<p>UniProt: Q13614 Related reagents</p> <p>Entrez Gene: 8898 MTMR2 Related reagents</p>
Synonyms	KIAA1073
RRID	AB_2147837
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human MTMR2 antibody, clone 4G6 recognizes human Myotubularin-related protein 2, also known as MTMR2, Phosphatidylinositol-3,5-bisphosphate 3-phosphatase or Phosphatidylinositol-3-phosphate phosphatase. MTMR2 is a 643 amino acid ~75 kDa phosphatase.</p> <p>Mutations in the MTMR2 gene can lead to development of Charcot-Marie-Tooth disease 4B1 (CMT4B1), an autosomal recessive demyelinating disease marked by progressive atrophy and weakness of peroneal and arm muscles (Bolino et al. 2000).</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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA3595Z 10162
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

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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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
'M367645:200529'

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