Datasheet: VMA00268

Description:	MOUSE ANTI MYOCYTE-SPECIFIC ENHANCER FACTOR 2D
Specificity:	MYOCYTE-SPECIFIC ENHANCER FACTOR 2D
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI3D12
Isotype:	IgG1
Quantity:	100 µl

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	▪			1/1000

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
50% Glycerol

Immunogen

Recombinant protein corresponding to amino acids 1-282 of human myocyte-specific enhancer factor 2D (NP_005911) produced in *E. coli*

External Database Links

UniProt:
Q14814 Related reagents

Entrez Gene:

4209 MEF2D Related reagents

Specificity	**Mouse anti Human myocyte-specific enhancer factor 2D antibody** recognizes myocyte-specific enhancer factor 2D, also known as MADS box transcription enhancer factor 2, polypeptide D and myocyte-specific enhancer factor 2D. MEF2D encodes a member of the myocyte-specific enhancer factor 2 (MEF2) family of transcription factors. Members of this family are involved in control of muscle and neuronal cell differentiation and development, and are regulated by class II histone deacetylases. Fusions of the encoded protein with Deleted in Azoospermia-Associated Protein 1 (DAZAP1) due to a translocation have been found in an acute lymphoblastic leukemia cell line, suggesting a role in leukemogenesis. The encoded protein may also be involved in Parkinson's disease and myotonic dystrophy. Alternative splicing results in multiple transcript variants (provided by RefSeq, Oct 2012). Mouse anti Human myocyte-specific enhancer factor 2D antibody detects a band of 70 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti myocyte-specific enhancer factor 2D detects a band of approximately 70 kDa in RD cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

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