Datasheet: VMA00511

BATCH NUMBER 172194

Description:	MOUSE ANTI eEF1A1
Specificity:	eEF1A1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	F02/1E3
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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Learn about how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, 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

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN_3).

Stabilisers	
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	*E. coli* derived recombinant protein corresponding to amino acids 1-462 of human eEF1A1
External Database Links	**UniProt:** P68104 Related reagents **Entrez Gene:** 1915 EEF1A1 Related reagents
Synonyms	EEF1A, EF1A, LENG7
Specificity	**Mouse anti Human eEF1A1 antibody, clone F02/1E3** recognizes the elongation factor 1-alpha 1, also known as CTCL tumor antigen, cervical cancer suppressor 3, elongation factor 1 alpha subunit, elongation factor Tu, eukaryotic elongation factor 1 A-1, eukaryotic translation elongation factor 1 alpha 1-like 14, glucocorticoid receptor AF-1 specific elongation factor or leukocyte receptor cluster member 7. The EEF1A1 gene encodes an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen in 66% of patients with Felty syndrome (Ditzel *et al.* 2000). EEF1A1 has been found to have multiple copies on many chromosomes, some of which, if not all, represent different pseudogenes. (provided by RefSeq, Jul 2008). Mouse anti Human eEF1A1 antibody, clone F02/1E3 detects a band of 50 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti eEF1A1 detects a band of approximately 50 kDa in HEK293 cell lysate.
Storage	This product is shipped at ambient temperature. Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00511
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)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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