

Datasheet: VMA00798

Description:	MOUSE ANTI ATF1
Specificity:	ATF1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1D8
Isotype:	IgG2a
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. Click [here](#) to learn 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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-271 of human ATF1
External Database Links	<p>UniProt: P18846 Related reagents</p> <p>Entrez Gene: 466 ATF1 Related reagents</p>
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti ATF1 antibody recognizes cyclic AMP-dependent transcription factor ATF-1, also known as TREB36.</p> <p>ATF1 is a basic region-leucine zipper transcription factor belonging to the cAMP response element-binding protein family. In embryonic stem cells (ESCs), ATF1 is a regulator of pluripotency and ATF1 knockdown has been shown to up-regulate neuroectoderm genes (Yang et al. 2019). Gene fusions between ATF1 and EWSR1 have been described in a range of neoplasms (Thway and Fisher 2012). ATF1 functions as an oncogene in colorectal cancer and facilitates proliferation by affecting apoptosis (Tian et al. 2019).</p>
Western Blotting	Mouse anti ATF1 antibody detects a band of approximately 37 kDa in HEK293 cell lysates
Storage	<p>This product is shipped at ambient temperature.</p> <p>Store undiluted at -20°C, avoiding repeated freeze thaw cycles</p>
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00798</p> <p>Antibody (10040)</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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

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