

Datasheet: VMA00798

BATCH NUMBER 100004260

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	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 affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-271 of human ATF1

External Database Links

UniProt:

[P18846](#) [Related reagents](#)

Entrez Gene:

[466](#) ATF1 [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti ATF1 antibody** recognizes cyclic AMP-dependent transcription factor ATF-1, also known as TREB36.

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](#)).

Western Blotting Mouse anti ATF1 antibody detects a band of approximately 37 kDa in HEK293 cell lysates

Storage 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/VMA00798>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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