

Datasheet: VMA00215

BATCH NUMBER 171007

Description:	MOUSE ANTI ATP5O
Specificity:	ATP5O
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2E9
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. 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
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 25% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen Recombinant protein corresponding to amino acids 24-213 of human ATP5O (NP_001688) produced in *E. coli*

External Database Links

UniProt:

[P48047](#) [Related reagents](#)

Entrez Gene:

[539](#) ATP5O [Related reagents](#)

Synonyms ATPO

Specificity **Mouse anti Human ATP5O antibody, clone OT12E9** recognizes the ATP synthase subunit O, mitochondrial, also known as ATP synthase subunit O, mitochondrial, human ATP synthase OSCP subunit, oligomycin sensitivity conferral protein and oligomycin sensitivity conferring protein.

The protein encoded by ATP5O gene is a component of the F-type ATPase found in the mitochondrial matrix. F-type ATPases are composed of a catalytic core and a membrane proton channel. The encoded protein appears to be part of the connector linking these two components and may be involved in transmission of conformational changes or proton conductance (provided by RefSeq, Jul 2008).

Mouse anti Human ATP5O antibody, clone OT12E9 detects a band of 23 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti ATP5O detects a band of approximately 23 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 #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00215>

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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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