

## Datasheet: VMA00215

<b>Description:</b>	MOUSE ANTI ATP5O
<b>Specificity:</b>	ATP5O
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI2E9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography from ascites.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 24-213 of human ATP5O (NP_001688) produced in <i>E. coli</i>

**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>  
Antibody (10048)

---

**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](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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

**Printed on 18 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)