

Datasheet: VMA00156

**BATCH NUMBER 240615**

<b>Description:</b>	MOUSE ANTI CYTOCHROME P450 2E1
<b>Specificity:</b>	CYTOCHROME P450 2E1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI5F11
<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</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Full length recombinant human cytochrome P450 2E1 (NP_000764) produced in HEK293T cells

**External Database  
Links**

**UniProt:**

[P05181](#)   [Related reagents](#)

**Entrez Gene:**

[1571](#)   CYP2E1   [Related reagents](#)

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**Synonyms**

CYP2E

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**Specificity**

**Mouse anti Human cytochrome P450 2E1 antibody, clone OTI5F11** recognizes cytochrome P450 2E1, also known as 4-nitrophenol 2-hydroxylase, CYP11E1, cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1, cytochrome P450-J, flavoprotein-linked monooxygenase, microsomal monooxygenase and xenobiotic monooxygenase.

Encoded by the CYP2E1 gene, cytochrome P450 2E1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer (provided by RefSeq, Jul 2008).

Mouse anti Human cytochrome P450 2E1 antibody detects a band of 57 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti Cytochrome P450 2E1 detects a band of approximately 57 kDa in Human liver cell lysates.

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00156>  
Antibody (10048)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

**North & South** Tel: +1 800 265 7376

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**Europe** Tel: +49 (0) 89 8090 95 21

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

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