

Datasheet: VMA00141

**BATCH NUMBER 240615**

<b>Description:</b>	MOUSE ANTI DLD
<b>Specificity:</b>	DLD
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI6D5
<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.

### 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 purified by affinity chromatography from ascites.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
1% Bovine Serum Albumin

50% Glycerol

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<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
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<b>Immunogen</b>	Full length recombinant human DLD (NP_000099) produced in HEK293T cells
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P09622</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">1738</a> DLD <a href="#">Related reagents</a>

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<b>Synonyms</b>	GCSL, LAD, PHE3
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<b>Specificity</b>	<p><b>Mouse anti Human DLD antibody, clone OTI6D5</b> recognizes dihydrolipoyl dehydrogenase (DLD), also known as E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex, diaphorase, mitochondrial, glycine cleavage system L protein, glycine cleavage system protein L, lipoamide dehydrogenase, lipoamide reductase and lipoyl dehydrogenase.</p> <p>Dihydrolipoamide dehydrogenase is a component of the pyruvate dehydrogenase complex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acid dehydrogenase complex. Mutations in DLD have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human DLD antibody detects a band of 54 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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<b>Western Blotting</b>	Anti DLD detects a band of approximately 54 kDa in K562 cell lysates.
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<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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<b>Guarantee</b>	12 months from date of despatch.
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<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10048 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00141">https://www.bio-rad-antibodies.com/SDS/VMA00141</a> Antibody (10048)
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<b>Regulatory</b>	For research purposes only.
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## Related Products

### Recommended Secondary Antibodies

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

## Recommended Negative Controls

### MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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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](https://bio-rad-antibodies.com/datasheets)

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