

## Datasheet: VMA00886

<b>Description:</b>	MOUSE ANTI CCT EPSILON
<b>Specificity:</b>	CCT EPSILON
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB03/2D7
<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 affinity purified on Protein G from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein of amino acids 1-541 of human CCT epsilon
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P48643</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">22948</a>    CCT5    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CCTE, KIAA0098
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti CCT epsilon antibody</b> recognizes T-complex protein 1 subunit epsilon, also known as CCT-epsilon and CCTE.</p> <p>CCT epsilon is a component of the chaperonin-containing T-complex (TRiC), also called CCT, a large double-ring complex that appears to have the primary function of participating in protein folding (<a href="#">Freund et al. 2014</a>). Each TRiC subunit, named CCT1-8, is found at a fixed position within the ring. In eukaryotes, TRiC supports folding of ~10% of the cytosolic proteome, and is required for folding of the cytoskeletal protein actin (<a href="#">Balchin et al. 2018</a>). Many products of genes that are deregulated in cancers are client proteins of TRiC, which suggests a role of TRiC in cancer development (<a href="#">Carr et al. 2017</a>). A heritable mutation in CCT epsilon has been found to cause profound neuropathy in humans (<a href="#">Spigolon et al. 2017</a>).</p>
<b>Western Blotting</b>	Mouse anti CCT epsilon antibody detects a band of approximately 58 kDa in HEK293 cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00886">https://www.bio-rad-antibodies.com/SDS/VMA00886</a> Antibody (10040)
<b>Regulatory</b>	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** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

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

**Worldwide**

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

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