

## Datasheet: MCA2275

<b>Description:</b>	RAT ANTI CCT BETA
<b>Specificity:</b>	CCT BETA
<b>Other names:</b>	TCP-1 BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	PK/8/4/4i/2F
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_2275617

### 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 1/500

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Species Cross Reactivity** Reacts with: Rat, Bovine, Chicken, Sheep, Mouse, Dog, Rabbit, Hamster, Pig, Monkey  
**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form** Purified IgG - liquid

**Preparation** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide

**Carrier Free** Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P78371</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">10576</a>    CCT2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	99D8.1, CCTB
<b>Specificity</b>	<p><b>Rat anti CCT beta antibody, clone PK/8/4/4i/2F</b> recognises the beta polypeptide of the CCT chaperonin molecule complex.</p> <p>The intact CCT complex is composed of eight polypeptides in a double-ring structure. CCT is important within cells in aiding the folding of proteins including actin, tubulin and the VHL tumour suppressor protein.</p>
<b>Western Blotting</b>	MCA2275 detects a band of approximately 60kD in lysates of heat shocked HeLa cells.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Satish L <i>et al.</i> (2010) Cloning and expression of rabbit CCT subunits eta and beta in healing cutaneous wounds. <a href="#">Cell Stress Chaperones. 15 (6): 819-26.</a></li> <li>2. Fislová T <i>et al.</i> (2010) Association of the influenza virus RNA polymerase subunit PB2 with the host chaperonin CCT. <a href="#">J Virol. 84 (17): 8691-9.</a></li> <li>3. Satish, L. <i>et al.</i> (2010) Chaperonin containing T-complex polypeptide subunit eta (CCT-eta) is a specific regulator of fibroblast motility and contractility. <a href="#">PLoS One. 5(4):e10063.</a></li> <li>4. Plimpton, R.L. <i>et al.</i> (2015) Structures of the Gβ-CCT and PhLP1-Gββ-CCT complexes reveal a mechanism for G-protein β-subunit folding and Gβγ dimer assembly. <a href="#">Proc Natl Acad Sci U S A. 112 (8): 2413-8.</a></li> <li>5. Satish, L. <i>et al.</i> (2011) Chaperonin containing T-complex polypeptide (CCT) subunit expression in oral mucosal wounds and fibroblasts. <a href="#">Cell Stress Chaperones. 16 (6): 675-80.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...) [FITC](#)

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®649</a> , <a href="#">DyLight®800</a>

## Recommended Negative Controls

[RAT IgG2b NEGATIVE CONTROL \(MCA6006GA\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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