

## 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

### 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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat, Bovine, Chicken, Sheep, Mouse, Dog, Rabbit, Hamster, Pig, Monkey <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

**External Database  
Links**

**UniProt:**

[P78371](#) [Related reagents](#)

**Entrez Gene:**

[10576](#) CCT2 [Related reagents](#)

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**Synonyms**

99D8.1, CCTB

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**Specificity**

**Rat anti CCT beta antibody, clone PK/8/4/4i/2F** recognises the beta polypeptide of the CCT chaperonin molecule complex.

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.

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**Western Blotting**

MCA2275 detects a band of approximately 60kD in lysates of heat shocked HeLa cells.

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**References**

1. Satish L *et al.* (2010) Cloning and expression of rabbit CCT subunits eta and beta in healing cutaneous wounds. [Cell Stress Chaperones. 15 \(6\): 819-26.](#)
2. Fislová T *et al.* (2010) Association of the influenza virus RNA polymerase subunit PB2 with the host chaperonin CCT. [J Virol. 84 \(17\): 8691-9.](#)
3. Satish, L. *et al.* (2010) Chaperonin containing T-complex polypeptide subunit eta (CCT-eta) is a specific regulator of fibroblast motility and contractility. [PLoS One. 5\(4\):e10063.](#)
4. Plimpton, R.L. *et al.* (2015) Structures of the Gβ-CCT and PhLP1-Gββ-CCT complexes reveal a mechanism for G-protein β-subunit folding and Gβγ dimer assembly. [Proc Natl Acad Sci U S A. 112 \(8\): 2413-8.](#)
5. Satish, L. *et al.* (2011) Chaperonin containing T-complex polypeptide (CCT) subunit expression in oral mucosal wounds and fibroblasts. [Cell Stress Chaperones. 16 \(6\): 675-80.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®549](#), [DyLight®649](#), [DyLight®800](#)

Goat Anti Rat IgG (STAR131...) [Alk. Phos.](#), [Biotin](#)

Goat Anti Rat IgG (STAR69...) [FITC](#)

Goat Anti Rat IgG (STAR72...) [HRP](#)

## Recommended Negative Controls

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

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