

## Datasheet: VMA00026KT

<b>Description:</b>	CCT BETA ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	CCT BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	2 Westerns

### 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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

#### Target Species

Human

#### Species Cross Reactivity

Reacts with: Rat, Mouse

**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

20µl Rat monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

<b>Immunogen</b>	Mouse CCT beta peptide conjugated to purified tuberculin protein derivative
<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 Human CCT beta antibody</b> recognizes human T-complex protein 1 subunit beta, also known as CCT beta, CCT2 or TCP-1-beta. CCT beta is a 535 amino acid cytoplasmically expressed chaperonin molecule involved in protein folding and has been shown to be involved in actin interaction (<a href="#">Llorca et al. 1999</a>). Two isoforms of CCT beta have been described, arising from alternative splicing. It is not clear whether this Rat anti Human CCT beta antibody recognizes the shorter isoform 2, lacking the N-terminal 47 amino acids seen in isoform 1.</p> <p>Rat anti Human CCT beta antibody recognizes CCT beta as a single band of ~ 57 kDa in multiple human cell line lysates by western blotting under reducing conditions and is cross reactive with both mouse and rat cell line lysates.</p>
<b>Western Blotting</b>	Anti CCT beta antibody detects a band of approximately 57 kDa in Jurkat cell lysates.
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
<b>Lysate Composition</b>	400µg Jurkat lysate lyophilized in RIPA buffer.
<b>Lysate Reconstitution</b>	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
<b>Guarantee</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 #10561 available at:  Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>  Lysate Material (10561): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</a></p>

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

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