

Datasheet: VMA00026K

Description:	CCT BETA ANTIBODY WITH CONTROL LYSATE
Specificity:	CCT BETA
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG2b
Quantity:	10 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.

	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.
Product Form	Purified IgG - liquid
Preparation	100µl 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 ₃)
Immunogen	Mouse CCT beta peptide conjugated to purified tuberculin protein derivative
External Database Links	<p>UniProt: P78371 Related reagents</p> <p>Entrez Gene: 10576 CCT2 Related reagents</p>

Synonyms	99D8.1, CCTB
Specificity	<p>Rat anti Human CCT beta antibody 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 (Llorca et al. 1999). 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>
Western Blotting	Anti CCT beta antibody detects a band of approximately 57 kDa in Jurkat cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, 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>
Storage	<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>
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet Documentation #10040 for antibody available at https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p> <p>Lysate Material Safety Datasheet Documentation #10561 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America
Tel: +1 800 265 7376
Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

Printed on 07 Jun 2017

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)