

Datasheet: VMA00881

BATCH NUMBER 100004569

Description:	MOUSE ANTI CCT8
Specificity:	CCT8
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1C4
Isotype:	IgG2b
Quantity:	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.

	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	0.09% Sodium Azide

Stabilisers**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

Immunogen*E. coli*-derived recombinant protein of amino acids 1-548 of human CCT8**External Database Links****UniProt:**[P50990](#)[Related reagents](#)**Entrez Gene:**[10694](#)

CCT8

[Related reagents](#)**Synonyms**

C21orf112, CCTQ, KIAA0002

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity**Mouse anti CCT8 antibody** recognizes chaperonin containing T-complex polypeptide 1 subunit 8, also known as CCT-theta.

CCT8 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 ([Freund et al. 2014](#)). 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 ([Balchin et al. 2018](#)). Many products of genes that are deregulated in cancers are client proteins of TRiC, which suggests a role of TRiC in cancer development ([Carr et al. 2017](#)). Upregulation of CCT8 has been identified in hepatocellular carcinoma (HCC) cells, and plays an important role in their proliferation ([Huang et al. 2014](#)). CCT8 has also been suggested as a predictive marker for pancreatic cancer ([Liu et al. 2019](#)).

Western Blotting

Mouse anti CCT8 antibody detects a band of approximately 56 kDa in HEK293 cell lysates

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety InformationMaterial Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00881>
Antibody (10040)**Regulatory**

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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