Datasheet: VMA00881

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 Stabilisers	0.09% Sodium Azide

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 Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL (MCA691)

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

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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