

Datasheet: VMA00710

Description:	MOUSE ANTI CCT ETA
Specificity:	CCT ETA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/2D1
Isotype:	IgG1
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
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	<i>E. coli</i> -derived recombinant protein of amino acids 425-543 of human CCT eta

**External Database
Links**

UniProt:

[Q99832](#) [Related reagents](#)

Entrez Gene:

[10574](#) CCT7 [Related reagents](#)

Synonyms

CCTH, NIP7-1

Fusion Partners

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

Specificity

Mouse anti Human CCT eta antibody recognizes the T-complex protein 1 subunit eta, also known as CCT7, HIV-1 Nef interacting protein, T-complex protein 1 subunit eta and TCP-1-eta.

CCT is a large, cytosolic, ATP-dependent chaperonin also known as the TCP1 ring complex (TRiC), which plays a role in protein folding and prevents protein aggregation. CCT has two hetero-oligomeric stacked rings which interact with nascent polypeptides, and each ring contains of eight subunits: CCT1 to CCT8. CCT eta (CCT7) appears to be involved in promoting correct maturation and expression of G protein-coupled receptors (GPCRs), cell surface proteins which respond to a huge number of cellular mediators and are estimated to be the target of over 30% of marketed drugs ([Génier et al. 2016](#)). CCT eta has been linked to multiple cancers and other diseases, including necrosis and Hodgkin disease, and could be a potential biomarker for endometrial carcinoma ([Nono et al. 2019](#)).

Western Blotting

Mouse anti CCT eta detects a band of approximately 58 kDa in K562 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:
<https://www.bio-rad-antibodies.com/SDS/VMA00710>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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

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