

## Datasheet

### CCT5 monoclonal antibody (M01), clone 4E5-4B1

**Catalog Number:** H00022948-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant CCT5.

**Clone Name:** 4E5-4B1

**Immunogen:** CCT5 (AAH06543, 1 a.a. ~ 541 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MASMGTLAFDEYGRPFLLIKDQDRKSRLMGLEALKSHI  
MAAKAVANTMRTSLGPNGLDKMMVDKGDVTVTNDG  
ATILSMMDVDHQIAKLMVELSKSQDDEIGDGTGTVVVL  
AGALLEEAEQLLDRIHPIRIADGYEQARVAIEHLDKIS  
DSVLVDIKDTEPLIQTAKTTLGSKVVNSCHRQMAEIAV  
NAVLTVADMERRDVFELIKVEGKVGGRLEDTKLIKGV  
IVDKDFSHQPMPKVEDAKIAILTCPFEPKPKTKHKLD  
VTSVEDYKALQKYEKEKFEEMIQIKETGANLAICQWG  
FDDEANHLLQNNLPAVRWVGGPEIELIAIATGGRIVPR  
FSELTAEKLGFAGLVQEISFGTTKDKMLVIEQCKNSRA  
VTIFIRGGNKMIIIEAKRSLHDALCVIRNLIRDNRVYGG  
GAAEISCALAVSQEADKPTLEQYAMRAFADALEVIPM  
ALSENSGMNPIQTMTEVRARQVKEMNPALGIDCLHKG  
TNDMKQQHVIETLIGKKQQLSLATQMVRMILKIDDIRKP  
GESEE

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, S-ELISA, WB-Ce,  
WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 22948

**Gene Symbol:** CCT5

**Gene Alias:** CCT-epsilon, CTE, KIAA0098,  
TCP-1-epsilon

**Gene Summary:** This gene encodes a molecular chaperone that is member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq]

**References:**

1. Evaluation of formalin-fixed paraffin-embedded tissues in the proteomic analysis of parathyroid glands. Donadio E, Giusti L, Cetani F, Da Valle Y, Ciregia F, Giannaccini G, Pardi E, Saponaro F, Torregrossa L, Basolo F, Marcocci C, Lucacchini A. *Proteome Sci.* 2011 Jun 8;9(1):29.
2. A proteomic approach to study parathyroid glands. Giusti L, Cetani F, Ciregia F, Da Valle Y, Donadio E, Giannaccini G, Banti C, Pardi E, Saponaro F, Basolo F, Berti P, Miccoli P, Pinchera A, Marcocci C, Lucacchini A. *Mol Biosyst.* 2011 Mar;7(3):687-99. Epub 2010 Dec 21.
3. Chaperonin TRiC/CCT participates in replication of hepatitis C virus genome via interaction with the viral NS5B protein. Inoue Y, Aizaki H, Hara H, Matsuda M, Ando T, Shimoji T, Murakami K, Masaki T, Shoji I, Homma S, Matsuura Y, Miyamura T, Wakita T, Suzuki T. *Virology.* 2010 Nov 17. [Epub ahead of print]