

Human Chaperonin Containing TCP1, Subunit 2 (CCT2) ELISA Kit | CCT2 elisa kit

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CATALOG #
AAA65897

REACTIVITY
Human

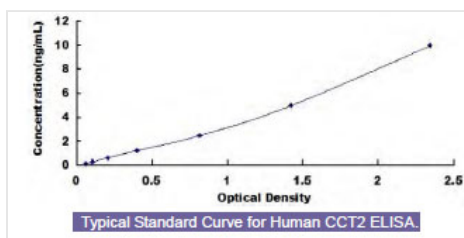
PRODUCT SYNONYMS

Chaperonin Containing TCP1; Subunit 2 (CCT2); Human Chaperonin Containing TCP1; Subunit 2 (CCT2) ELISA Kit; CCT-beta; CCTB; TCP-1-beta; T-Complex Protein 1 Subunit Beta; CCT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CCT2. No significant cross-reactivity or interference between CCT2 and analogues was observed.
Sequence Length	488
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.067ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CCT2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CCT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCT2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CCT2 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CCT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CCT2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CCT2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CCT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	311771535
NCBI GeneID	10576
NCBI Accession #	NP_001185771.1
NCBI GenBank Nucleotide #	NM_001198842.1
UniProt Accession #	P78371; Q14D36; Q6IAT3; A8K402; B5BTY7; B7Z243; B7Z7K4; B7ZAT2
Molecular Weight	52,718 Da
NCBI Official Full Name	T-complex protein 1 subunit beta isoform 2
NCBI Official Synonym Full Names	chaperonin containing TCP1 subunit 2
NCBI Official Symbol	CCT2
NCBI Official Synonym Symbols	CCTB; 99D8.1; PRO1633; CCT-beta; HEL-S-100n; TCP-1-beta
NCBI Protein Information	T-complex protein 1 subunit beta
UniProt Protein Name	T-complex protein 1 subunit beta
UniProt Gene Name	CCT2
UniProt Synonym Gene Names	99D8.1; CCTB; TCP-1-beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/chaperonin-containing-tcp1-subunit-2-cct2/65897>