

# Immunotag™ TCP-1 β Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0612
Product Description	Immunotag™ TCP-1 β Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TCP-1 β
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human TCP-1 β expressed in E. Coli.
Specificity	TCP-1 β Monoclonal Antibody detects endogenous levels of TCP-1 β protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	CCT2
Accession No.	P78371 P80314
Alternate Names	CCT2; 99D8.1; CCTB; T-complex protein 1 subunit beta; TCP-1-beta; CCT-beta

## Antibody Specification

Description	chaperonin containing TCP1 subunit 2(CCT2) Homo sapiens The protein encoded by this gene is a molecular chaperone that is a 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010],
Protein Expression	B-cell lymphoma,Brain,Cajal-Retzius cell,Fetal brain cortex,Liver,P
Subcellular Localization	zona pellucida receptor complex,cytoplasm,cytosol,chaperonin-containing T-complex,microtubule,extracellular matrix,myelin sheath,cell body,extracellular exosome,
Protein Function	function:Molecular chaperone; assist the folding of proteins upon ATP hydrolysis. Known to play a role, in vitro, in the folding of actin and tubulin.,similarity:Belongs to the TCP-1 chaperonin family.,subunit:Heterooligomeric complex of about 850 to 900 kDa that forms two stacked rings, 12 to 16 nm in diameter. Interacts with PACRG.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.