

Datasheet for ABIN6719457

anti-TCP1 alpha/CCTA antibody (C-Term) (DyLight 550)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TCP1 alpha/CCTA (TCP1)
Binding Specificity:	AA 515-551, C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TCP1 alpha/CCTA antibody is conjugated to DyLight 550
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Human TCP1 alpha DyLight® 550 conjugated Antibody(monoclonal, 2E7)
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human TCP1 alpha, different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Sequence:	KFATEAAITI LRIDDLIKLH PESKDDKHGS YEDAVHS
Clone:	2E7
Isotype:	IgG1
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Human TCP1 alpha DyLight® 550 conjugated Antibody (monoclonal, 2E7) (ABIN5693078)-Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: TCP1 alpha/CCTA (TCP1)

Alternative Name: TCP1 ([TCP1 Products](#))

Background: Synonyms: T-complex protein 1 subunit alpha, TCP-1-alpha, CCT-alpha, TCP1, CCT1, CCTA
Background: T-complex protein 1 subunit alpha is a protein that in humans is encoded by the TCP1 gene. 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. Alternate transcriptional splice variants of this gene, encoding different isoforms, have been characterized. In addition, three pseudogenes that appear to be derived from this gene have been found.

Molecular Weight: 39 kDa

Gene ID: 6950

UniProt: [P17987](#)

Application Details

Application Notes: Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells¹. "Entrez Gene: TCP1 t-complex 1". 2. Fonatsch C, Gradl G, Ragoussis J, Ziegler A (Oct 1987). "Assignment of the TCP1 locus to the long arm of human chromosome 6 by in situ hybridization". Cytogenet Cell Genet 45 (2): 109-12. 3. Willison K, Kelly A, Dudley K, Goodfellow P, Spurr N, Groves V, Gorman P, Sheer D, Trowsdale J (Nov 1987). "The human homologue of the mouse t-complex gene, TCP1, is located on chromosome 6 but is not near the HLA region". EMBO J 6 (7): 1967-74.

Comment: Other applications have not been tested. Optimal dilutions should be determined by end users.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Handling

Buffer:	Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na ₂ HPO ₄ , 0.02 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.