Datasheet for ABIN5693077

# anti-TCP1 alpha/CCTA antibody (C-Term) (DyLight 488)

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## Overview

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| 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 488 |
| Application: | Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-Human TCP1 alpha DyLight® 488 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® 488 conjugated Antibody (monoclonal, 2E7) (ABIN5693078)-Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human. |

## Target Details

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| 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<br>Tissue Specificity: Expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes. Not expressed in the kidney.<br>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

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| Application Notes: | Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ 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. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | Lot specific |

## Handling

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| Buffer: | Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na2HPO4, 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. |