

Basic Information

Product Name	Anti-TCP1 DyLight 488 Conjugated Antibody
Gene Name	TCP1
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
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.
Conjugate	DyLight 488
Concentration	200ug/ml
Purification	protein G purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 ⁶ cells

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

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.

Selected Validation Data