

For Research Use Only

CoraLite® Plus 488-conjugated CCT4 Monoclonal antibody

Catalog Number: CL488-67455



Basic Information

Catalog Number: CL488-67455	GenBank Accession Number: BC106934	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10575	CloneNo.: 3C6A6
Source: Mouse	UNIPROT ID: P50991	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: chaperonin containing TCP1, subunit 4 (delta)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG17084	Calculated MW: 539 aa, 58 kDa	
	Observed MW: 55-58 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human, mouse, pig, rabbit	

Background Information

T-complex protein 1 subunit delta (CCT4) is a component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis (PMID:25467444). As part of the TRiC complex, it may play a role in regulating telomere maintenance (PMID:25467444) and assembly of BBosome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PMID:20080638). CCT4 has 2 isoforms produced by alternative splicing with the MW of 55 kDa and 58 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

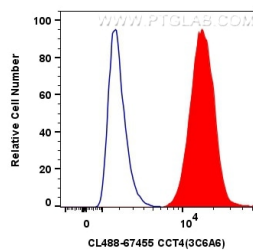
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using Coralite® Plus 488 CCT4 antibody (CL488-67455, Clone: 3C6A6) at dilution of 1:200.



1x10⁶ A549 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Cct4 Monoclonal Antibody (CL488-67455, Clone:3C6A6)(red), or 0.8 ug Coralite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).