CoraLite®594-conjugated TCP1 eta Monoclonal antibody

Catalog Number:CL594-67540   **Featured Product**

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number: CL594-67540	**GenBank Accession Number:** BC019296	**Purification Method:** Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	**GeneID (NCBI):** 10574	**CloneNo.:** 2C1G1
Source: Mouse	**UNIPROT ID:** Q99832	**Recommended Dilutions:** IF/ICC 1:50-1:500
Isotype: IgG1	**Full Name:** chaperonin containing TCP1, subunit 7 (eta)	**Excitation/Emission maxima wavelengths:** 588 nm / 604 nm
Immunogen Catalog Number: AG9502	**Calculated MW:** 543 aa, 59 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse

Positive Controls:
IF/ICC : U2OS cells,

Background Information

CCT7 is a subunit of CCT complex-a large cytosolic chaperonin complex composed of two hetero-oligomeric stacked rings able to interact with nascent polypeptides, which mediates protein folding in an ATP-dependent manner and prevents aggregation in eukaryotes. Each ring consists of eight different subunits (CCT1 to CCT8). CCT7 is involved in preventing aggregation of GPCRs and in regulating their expression, maturation, and transport to the cell surface.

Storage

Storage:
Store at -20℃. 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.
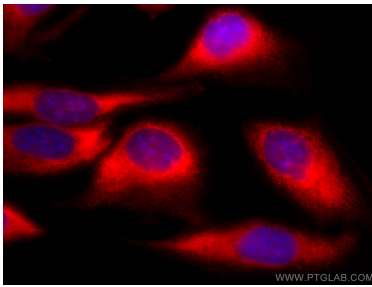Aliquoting is unnecessary for -20°C storage

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Selected Validation Data

Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CoraLite®594 CCT7 antibody (CL594-67540, Clone: 2C1G1) at dilution of 1:200.
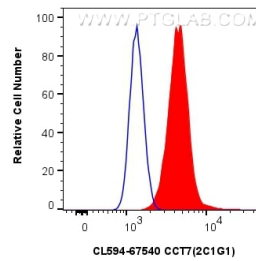
1x10^6 U2OS cells were intracellularly stained with 0.4 ug CoraLite®594-conjugated CCT7 Monoclonal antibody (CL594-67540, Clone:2C1G1) (red), or 0.4 ug CoraLite®594 Mouse IgG1 Isotype Control (1F8D3) (CL594-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).