

For Research Use Only

CoraLite® Plus 488-conjugated CCT2 Monoclonal antibody



Catalog Number: CL488-68214

Basic Information

Catalog Number:

CL488-68214

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19264

GenBank Accession Number:

BC113516

GeneID (NCBI):

10576

UNIPROT ID:

P78371

Full Name:

chaperonin containing TCP1, subunit 2 (beta)

Calculated MW:

535 aa, 57 kDa

Observed MW:

50-58 kDa

Purification Method:

Protein G purification

CloneNo.:

2H6C7

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

Human, Mouse, Pig, Rabbit, Rat

Positive Controls:

IF : NIH/3T3 cells,

Background Information

CCT2 is a gene encoding a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). The switch of CCT2's role from a chaperonin to a specific aggregophagy receptor is achieved by CCT2 monomer formation. CCT2 functions independently of ubiquitin and the TRiC complex to facilitate the autophagic clearance of solid protein aggregates. CCT2 has 2 isoforms with the molecular mass of 53 and 57 kDa. (PMID: 35699934)

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:

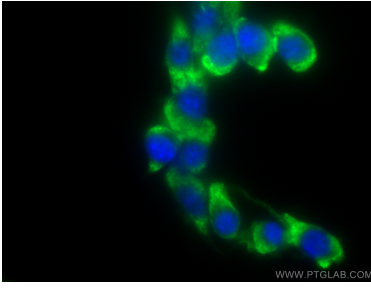
T: 4006900926

E: Proteintech-CN@ptglab.com

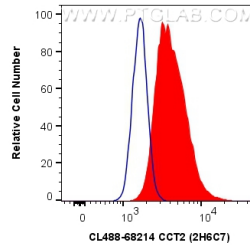
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using CoraLite® Plus 488 CCT2 antibody (CL488-68214, Clone: 2H6C7) at dilution of 1:200.



1X10⁶ NIH/3T3 cells were intracellularly stained with 1 ug CoraLite® Plus 488 Anti-Human CCT2 (CL488-68214, Clone:2H6C7) (red), or 1 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).