For Research Use Only

CoraLite® Plus 488-conjugated CDK4 Monoclonal antibody

Catalog Number:CL488-66950

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-66950

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG20538

GenBank Accession Number:
BC010153

GeneID (NCBI):
1019

Full Name:
cyclin-dependent kinase 4

Calculated MW:
34 kDa

Observed MW:
34 kDa

Purification Method:
Protein A purification

CloneNo.:
1G2C12

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
Human, Mouse, Rat

Background Information

Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. It is essential for the G1- to S-phase transition during the cell cycle and its expression is primarily controlled at the transcriptional level(PMID:17253961). CCND1-CDK4 axis is not only critical in glial tumor cells but also in stromal-derived cells in the surrounding tumor microenvironment that are vital to sustain tumor outgrowth(PMID:21844184).

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

***** 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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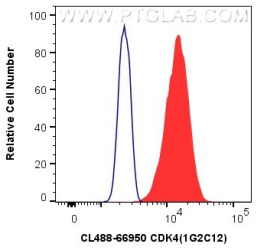
Selected Validation Data



1X10^6 MCF-7 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CDK4 (CL488-66950, Clone:1G2C12) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).