

For Research Use Only

# CoraLite® Plus 488-conjugated CDK4 Monoclonal antibody



Catalog Number: CL488-66950

## Basic Information

<b>Catalog Number:</b> CL488-66950	<b>GenBank Accession Number:</b> BC010153	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1019	<b>CloneNo.:</b> 1G2C12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P11802	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> cyclin-dependent kinase 4	
<b>Immunogen Catalog Number:</b> AG20538	<b>Calculated MW:</b> 34 kDa	
	<b>Observed MW:</b> 34 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**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

For technical support and original validation data for this product please contact:

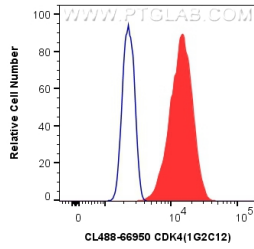
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> 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).