

CoraLite® Plus 488-conjugated cyclin B1 Monoclonal antibody

Catalog Number: **CL488-67686**

Basic Information

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|---|--|---|
| Catalog Number: CL488-67686 | GenBank Accession Number: BC006510 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 891 | CloneNo.: 1F3G11 |
| Source: Mouse | UNIPROT ID: P14635 | Recommended Dilutions: IF/ICC 1:50-1:500 |
| Isotype: IgG1 | Full Name: cyclin B1 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG29444 | Calculated MW: 48 kDa | |

Applications

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| Tested Applications: IF/ICC, FC (Intra) | Positive Controls: IF/ICC : HeLa cells, |
| Species Specificity: human, mouse, rat | |

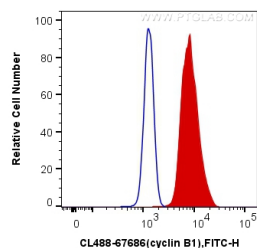
Background Information

Cyclin B1 is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase of the cell cycle. The different transcripts result from the use of alternate transcription initiation sites. The antibody is specific to CCNB1. We got a 55-60 kDa band in western blotting maybe due to phosphorylation.

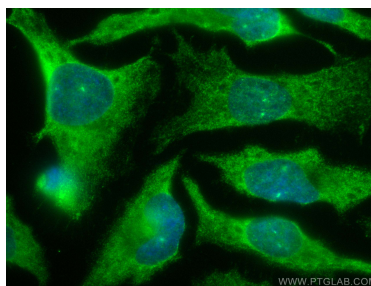
Storage

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

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human cyclin B1 (CL488-67686, Clone:1F3G11) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 cyclin B1 antibody (CL488-67686, Clone: 1F3G11) at dilution of 1:200.