

# CoraLite® Plus 647-conjugated cyclin B1 Monoclonal antibody

Catalog Number: **CL647-67686**

## Basic Information

Catalog Number:

**CL647-67686**

Size:

**1000 µg/ml**

Source:

**Mouse**

Isotype:

**IgG1**

Immunogen Catalog Number:

**AG29444**

GenBank Accession Number:

**BC006510**

GeneID (NCBI):

**891**

UNIPROT ID:

**P14635**

Full Name:

**cyclin B1**

Calculated MW:

**48 kDa**

Observed MW:

**55 kDa**

Purification Method:

**Protein G purification**

CloneNo.:

**1F3G11**

Excitation/Emission maxima wavelengths:

**654 nm / 674 nm**

## Applications

Tested Applications:

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

