

## Monoclonal Antibody to Cyclin B1 - Purified

<b>Alternate names:</b>	CCNB, CCNB1, Cyclin-B1, G2/mitotic-specific cyclin-B1
<b>Catalog No.:</b>	AM00365PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	In mammals, cyclin B associates with inactive p34cdc2. Cyclin B-p34cdc2 plays a critical role in G2 to M transition.
<b>Uniprot ID:</b>	<a href="#">P14635</a>
<b>NCBI:</b>	<a href="#">NP_114172.1</a>
<b>GeneID:</b>	<a href="#">891</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	GNS1
<b>Immunogen:</b>	Human cyclin B1 protein. <b>AA Sequence:</b> 1 - 21 <b>Remarks:</b> Mol. Wt. of Antigen: 62kDa
<b>Format:</b>	<b>State:</b> Liquid ascites fluid <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide.
<b>Applications:</b>	Flow Cytometry. Immunofluorescence. Immunoprecipitation, native and denatured, use Protein G, 2 µg/mg protein lysate. Western Blotting: 1-2 µg/ml for 2hrs at RT. Positive Control: MAD109 or LS174T cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Cyclin B1. <b>Species:</b> Human, Mouse, Hamster. Other species not tested.
<b>Add. Information:</b>	Cellular Localization: Cytoplasmic
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Kung AL, et. al. J Biol Chem, 1993;268:1-9.
  2. Faha B, et. al. J Virology, 1993;67:2456-2465.
  3. Zhang H, et. al. Mol Biol Cell, 1993;4:897-906.
  4. Coleman TR, et. al. Cell, 1993;72:919-929.
  5. Gong J, et. al. Experimental Cell Res, 1995, 220:226-31.
  6. Gong J, et. al. Int J Oncology, 1993; 3:1037-1042
  7. Sherwood SW, et. al. Experimental Cell Research, 1994, 211(2):275-81.