

## Mouse monoclonal antibody to Cyclin-dependent kinase 1 [IMD-34]: IgG

<b>Catalogue No.:</b>	M-1210-100
<b>Description:</b>	Cyclin-dependent kinase 1, also known as cell division control protein 2 homolog (CDC2), belongs to the Ser/Thr protein kinase family. CDC2 is required for entry into S phase of the cell cycle and mitosis. Multiple alternatively spliced variants have been reported for this gene.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A C-terminal fragment of Xenopus Cyclin-dependent kinase 1 expressed in E. coli
<b>Other Names:</b>	Cell division control protein 2 homolog; p34 protein kinase; p34cdc2; CDK1; CDC2;
<b>Accession:</b>	P06493 CDC2_HUMAN;
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 ug/mL is recommended for WB. Human CDC2 (isoform 1) has a predicted length of 297 residues and MW of 34 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed frozen tissues.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; chicken;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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