



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

Catalogue No.:	M-1210-100
Description:	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.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A C-terminal fragment of Xenopus Cyclin-dependent kinase 1 expressed in E. coli
Other Names:	Cell division control protein 2 homolog; p34 protein kinase; p34cdc2; CDK1; CDC2;
Accession:	P06493 CDC2_HUMAN;
Produced in:	Mouse
Purity:	IgG
Applications:	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.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; chicken;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	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
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY