

## Mouse Monoclonal Antibody to CDK1

<b>Catalogue Number</b>	sAP-0532
<b>Target Molecule</b>	<b>Name:</b> CDK1 <b>Aliases:</b> CDC2; CDC28A; P34CDC2; MGC111195; DKFZp686L20222; CDK1 <b>MW:</b> 34kDa <b>Entrez Gene ID:</b> 983
<b>Description</b>	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control.
<b>Immunogen</b>	Purified recombinant fragment of human CDK1 expressed in E. Coli.
<b>Reactive Species</b>	Human; Mouse; Rat; Monkey
<b>Clone</b>	MM5A6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Mol Cell. 2008 May 23;30(4):447-59. ; 2. Zhonghua Zhong Liu Za Zhi. 2007 Jul;29(7):484-8.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**