



**MOUSE ANTI-cdk1/p34^{cdc2} KINASE
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB8878	LOT NUMBER:	
QUANTITY:	50 µg	CONCENTRATION:	0.2 mg/mL
CLONE NAME:	A17.1.1	HOST/ISOTYPE:	Ms/ IgG _{2a}
SPECIFICITY:	Recognizes a 34 kDa protein cdk1, identified as cdk1/p34 ^{cdc2} protein kinase (a catalytic subunit of Maturation Promoting Factor). Its epitope maps near the C-terminus of protein and its core is thought to be LGTPNNEV. It shows no cross-reaction with cdk2/p32 and other cyclin dependent kinases (cdks).		
IMMUNOGEN:	Raised against <i>Xenopus</i> p34 ^{cdc2} .		
APPLICATIONS:	Frozen Sections Immunofluorescence Immunoprecipitation (Native/denatured, Protein A; 2µg/mg protein lysate) Immunohistology (Formalin, 2-4µg/mL for 30 min at RT) Paraffin Sections (staining requires antigen retrieval). Western Blotting (2µg/mL for 2 hrs at RT) Kinase Assay Optimal working dilutions must be determined by the end user. p34cdc2, a serine/threonine kinase, is activated by cyclins, presumably by dephosphorylation of tyrosine residues. MAB8878 inhibits the activation of p34cdc2 kinase by cyclins and precipitates an active kinase.		
SPECIES REACTIVITY:	Human, Mouse, Rat, Guinea Pig, Woodchuck, Chicken, <i>Xenopus</i> .		
CONTROL:	HeLa or NIH3T3 cells. Germinal center in a tonsil or reactive lymph node. Cellular localization is predominantly nuclear, with some cytoplasmic staining.		
FORMAT:	Purified immunoglobulin		
PRESENTATION:	Liquid in 10 mM PBS, pH 7.4, containing 0.2% BSA and 0.09% sodium azide.		
STORAGE/HANDLING:	Maintain at 2° to 8°C in undiluted aliquots for up to 12 months from date of receipt.		
REFERENCES:	Doussis-Anagnostopoulos, IA, et al. <i>Histopathology</i> 1994. 24 : 335		

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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