

## CDKN1A

### Mouse Anti-Human CDKN1A Clone WA-1 mAb

<b>Catalog No.</b>	MON7048	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	CAP20, CDKN1, CIP1, MDA-6, P21, SDI1, WAF1, p21CIP1, CDK-interaction protein 1, DNA synthesis inhibitor, cyclin-dependent kinase inhibitor 1A, melanoma differentiation associated protein 6, p21Cip1/Waf1, wild-type p53-activated fragment 1		
<b>Description:</b>	<p>The mAb WA-1 reacts with human and other mammalian p21 protein. The intracellular protein p21 is a 21 kD protein and also known as wild-type p53-activated fragment 1 (WAF1). It is an inhibitor of cyclin-dependent kinases (Cdks) and proliferating-cell nuclear antigen (PCNA).</p> <p>Source: A BALB/c mouse was immunized with human p21 protein. Splenocytes were fused with mouse myeloma cell line SP2. Hybridomas were selected in DMEM supplied with 20% FCS, 1µg/ml azaserine and 10<sup>-4</sup> M hypoxanthine. The immunoglobulin producing hybridoma with desired specificity was cloned twice by limiting dilution.</p>		
<b>Concentration:</b>	100 µg/ml		
<b>Gene ID:</b>	1026		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	EP-3		
<b>Formulation:</b>	100 µg purified material in PBS with 0.05% sodium azide. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Applications:</b>	<p>The mAb is positive on methanol/acetone fixed MCF7 cells and on UV treated fibroblasts. It stains breast carcinoma on frozen sections (methanol/acetone fixation) and on paraffin sections (formaline fixation, microwave treatment prior to staining). In ELISA the mAb is useful either as a solid phase or for detection of p21 protein.</p>		

frozen sections	paraffin sections	flow cytometry	ELISA	blocking	Western blotting
+	+		+		+

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)