

**MOUSE ANTI-p21<sup>WAF1</sup>  
MONOCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	MAB88058	<b>QUANTITY:</b>	50 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	200 µg/mL
<b>SPECIFICITY:</b>	Monoclonal antibody MAB88058 recognizes a 21 kDa protein, identified as the p21 <sup>WAF1</sup> /cip1/sdi1/pic1 tumor suppressor protein. MAB88058 is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors. p21 <sup>WAF1</sup> is a specific inhibitor of cdk's and a tumor suppressor involved in the pathogenesis of a variety of malignancies. Expression of p21 <sup>WAF1</sup> is induced by wild type, but not mutant, p53 suppressor protein.		
<b>IMMUNOGEN:</b>	Full length human recombinant p21 protein		
<b>ISOTYPE:</b>	IgG <sub>1</sub>		
<b>CLONE NAME:</b>	HZ52		
<b>APPLICATIONS:</b>	Flow Cytometry Immunoprecipitation (co-precipitates cdk4): 2µg/mg protein lysate Immunohistochemistry (formalin/paraffin): 2-4ug/mL for 30 min. at RT (Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 minutes followed by cooling at RT for 20 min.) <i>Optimal working dilutions must be determined by end user.</i>		
<b>POSITIVE CONTROL:</b>	Ls174T or Raji cells. Colon carcinoma.		
<b>CELLULAR LOCALIZATION:</b>	Predominant nuclear		
<b>SPECIES REACTIVITIES:</b>	Human, Mouse, Rat and Cow		
<b>FORMAT:</b>	Purified immunoglobulin.		
<b>PRESENTATION:</b>	Liquid containing 10 mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.		
<b>STORAGE/HANDLING:</b>	Maintain at 2-8°C in undiluted aliquots for up to 12 months from date of receipt.		

*For research use only; not for use as a diagnostic.*

**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.*

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