

## Mouse Anti-p53 Protein Clone PAb240, Monoclonal Antibody

<b>Catalog No.:</b>	CMP006	<b>Size/Volume:</b>	100 µg/0.5 mL
<b>Description:</b>	This monoclonal antibody recognizes a protein of 53 kDa which is identified as the product of p53 tumor suppressor gene. It reacts with only certain mutant p53 protein under non-denaturing condition in immunoprecipitation but reacts with both mutant and wild form of p53 under denaturing condition in Western blotting. Its epitope maps within the middle region (aa 212-217) of p53. In frozen node-negative breast cancers, immunohistochemical staining with a cocktail of Pab240/1801 was reported to be most strongly associated with overall survival compared with either antibody alone or with other antibodies directed toward p53.		
<b>Isotype:</b>	Mouse IgG <sub>1</sub>		
<b>Formulation:</b>	Purified immunoglobulin in phosphate buffered saline, pH 7.4, with 0.2% bovine serum albumin. Preservative: 0.09% sodium azide ( <b>Caution:</b> sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)		
<b>Purification:</b>	Purified from ascites by Protein G chromatography.		
<b>Immunogen:</b>	Murine p53-beta-galactosidase fusion protein containing p53 sequence from amino acid 14-289.		
<b>Cross-reactivity:</b>	Human, mouse, rat, hamster, monkey, cow, pig, and chicken. Other species were not determined.		
<b>Applications:</b>	This antibody is suitable for use in flow cytometry, immunoprecipitation, Western blotting and immunohistochemistry with cryostat, methacarn-fixed/paraffin embedded, or formalin-fixed/paraffin embedded tissue sections. Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA, pH 8, for 10-20 minutes followed by cooling at room temperature for 20 minutes.		
<b>Working Dilutions:</b>	For immunoprecipitation use 10 µL/mg of cell lysate, for Western blotting use 1:200-1:400 dilution, and for immunohistology 1:50-1:100 is recommended. The optimal antibody concentration should be determined for each specific application.		
<b>Storage:</b>	Store at 2-8°C. For long term storage, aliquot into small volumes and store at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Positive Control:</b>	CEM human leukemia cells for Western blotting. For immunohistochemistry, about 50% of human breast carcinomas are p53 positive, especially those lacking estrogen and/or progesterone receptor, or with high proliferation index.		

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