

<b>Cat. No:</b>	MAB-10166
<b>Size:</b>	100 µg
<b>Clone:</b>	Bp53.12
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Ms
<b>Isotype:</b>	IgG2a
<b>Immunogen:</b>	Bacterially expressed full-length wild-type p53
<b>Reactivity:</b>	Hu
<b>Applications:</b>	Flow Cytometry Immunoprecipitation Western Blotting Recommended dilution: 1-2 µg/ml, overnight in 4°C Positive control: RAMOS human lymphoma cell line Sample preparation: Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer. Application note: Non-reducing conditions. SDS-PAGE (12% separating gel). Immunohistochemistry (paraffin sections) Immunocytochemistry: 2-10µg/ml ELISA
<b>Purification:</b>	Purified from ascites by precipitation methods
<b>Background:</b>	The tumour suppressor protein p53 is a key element of intracellular anticancer protection. It mediates cell cycle arrest or apoptosis in response to DNA damage or to starvation for pyrimidine nucleotides. It is up-regulated in response to these stress signals and stimulated to activate transcription of specific genes, resulting in expression of p21waf1 and other proteins involved in G1 or G2/M arrest, or proteins that trigger apoptosis, such as Bcl-2. The structure of p53 comprises N-terminal transactivation domain, central DNA-binding domain, oligomerisation domain, and C-terminal regulatory domain. There are various phosphorylation sites on p53, of which the phosphorylation at Ser15 is important for p53 activation and stabilization. The antibody BP53-12 recognizes defined epitope (aa 16-25) on human p53, a 50 kDa tumour suppressor found in increased amounts in a wide variety of transformed cells; it is frequently mutated or inactivated in many types of cancer.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.5
<b>Storage:</b>	Store at 2-8°C. Do not freeze.

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