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Product Datasheet

Mouse anti P53 (TP53 tumor suppressor protein), Clone: [DO-1], Monoclonal NMB-MUB1501P

Article Name	Mouse anti P53 (TP53 tumor suppressor protein), Clone: [DO-1], Monoclonal
Biozol Catalog Number	NMB-MUB1501P
Supplier Catalog Number	MUB1501P
Alternative Catalog Number	NMB-MUB1501P
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	ELISA, FC, ICC, IF, IHC-Fr, IHC-P, WB
Species Reactivity	Human
Product Description	P53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Alterations of the p53 tumor supp...
Clonality	Monoclonal
Clone Designation	[DO-1]
Isotype	IgG2a kappa
UniProt	P04637

Buffer	Each vial contains 100ul 1mg/ml purified monoclonal antibody in phosphate buffered saline (PBS) containing 0.05% sodium azide. DO-1 recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wi
Source	DO-1 is a mouse monoclonal IgG2a antibody derived by fusion of mouse myeloma Sp2/0-Ag14 cells with spleen cells from BALB/c mice immunized with recombinant human wild type p53 protein expressed in E. coli.
Application Notes	The DO-1 antibody is suitable for the detection of p53 by Western blotting and detects a band of 53kDa in tumor tissue and cell extracts. The antibody is suitable for immunocytochemistry on permeabilized cells, and Immunohistochemistry on frozen and formalin fixed, paraffin embedded tissues. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. The antibody can also be applied in ELISA for the quantification of the p53 protein. Optimal antibody dilutions for the different applications should be determined by titration. Recommended range is 1:500 - 1:1000 for flow cytometry, 1:500-1:2000 for immunohistochemistry, and 1:500 - 1:1000 for immunoblotting applications.