



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



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## Catalogue

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 [nordicmubio.com/products/mouse-anti-p53/MUB1500P](http://nordicmubio.com/products/mouse-anti-p53/MUB1500P)

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### Mouse anti P53

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Catalog number: **MUB1500P**

Clone	Bp53.12
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse
Species Reactivity	Human
Application	Flow Cytometry Immunocytochemistry Immunohistochemistry (frozen) Immunohistochemistry (paraffin) Western Blotting

### Background

Alterations of the p53 tumor suppressor gene are considered critical events in multistage carcinogenesis of a wide range of Human cancers. The mutations found in sporadic cancer are commonly mis-sense mutations that inactivate the tumor suppressor activity of p53. These mutant proteins are much more stable than the normal p53 protein, frequently adopt an altered conformation and accumulate within the malignant cells.

### Source

Bp53.12 is a Mouse monoclonal IgG2a antibody derived by fusion of X63 Ag8.653 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with recombinant Human wild-type p53 protein.

### Product

Each vial contains 100 ug 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

*Formulation:* Each vial contains 100 ug 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

### **Specificity**

Bp53.12 reacts with a denaturation-resistant epitope of p53. This antibody is specific for Human p53 and recognizes amino acid sequence 16-25.

### **Applications**

Bp53.12 is useful for immunocytochemistry, immunohistochemistry on frozen and paraffin-embedded tissues, immunoblotting and flow cytometry. Optimal antibody dilution should be determined by titration; recommended range is 1:25 – 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

### **Storage**

The antibody is shipped at ambient temperature and may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.

### **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

### **References**

1. Bartek, J., Bartkova, J., Vojtesek, B., Staskova, Z., Lukas, J., Rejthar, A., Kovarik, J., Midgley, C. A., Gannon, J. V., and Lane, D. P. (1991). Aberrant expression of the p53 oncoprotein is a common feature of a wide spectrum of Human malignancies. *Oncogene* 6, 1699-1703. 2. Bartek, J., Bartkova, J., Lukas, J., Staskova, Z., Vojtesek, B., and Lane, D. P. (1993). Immunohistochemical analysis of the p53 oncoprotein on paraffin sections using a series of novel monoclonal antibodies. *J Pathol* 169, 27-34.

### **Safety Datasheet(s) for this product:**

NM\_ Sodium Azide

