Genemed Biotechnologies, Inc.

Mouse Monoclonal anti-p53, Clone BP-53-12

60-0050; 60-0050-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0050; 61-0050-2; 61-0050-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG2a
Concentration	See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect p53 in neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

The antibody reacts with wild-type and mutant type p53 protein. It is a useful tool to detect p53 overexpression. In many tumor types p53 appears to have prognostic significance.

Wild-type p53 protein is present in normal cells but due to a very short half-life it is below the detection level by immunohistochemistry assay. Somatic mutation of the p53 gene is a frequent event in human neoplasia. The mutant p53 protein is more stable and is accumulated to a high level in the tumors.

Reagent provided

This antibody is in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN_3) as antimicrobial agent.

Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however the build-ups of NaN_3 may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0050; 60-0050-7: Ready-To-Use

61-0050;61-0050-2; 61-0050-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Selective Squamous Cell Carcinoma

Epitope retrieval

HIER, Citrate, pH 6

Staining pattern

Nucleus

Storage

Store at 2-8°C.

References

1. Bártek J, et al. J Pathol. 1993 Jan;169(1):27-34.
2. Terada T, et al. Mod Pathol. 1994 Feb;7(2):249-52.
3. Suzuki H, et al. Cancer Lett. 2006 Jun 18;237(2):242-7. Epub 2005 Aug 18.

Symbols

REF	LOT	IVD		
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By

30050 Rev.02

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