

Monoclonal Antibody to P53 Oncoprotein

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
p53 Oncoprotein

Antibody Formats Supplied

- 5 ml of anti p53 Oncoprotein, Ready-To-Use
- 0.5 ml of anti p53 Oncoprotein, Concentrate

ITEM#: IMI28161E (Ready-To-Use)

ITEM#: IMI28152E (Concentrate)

IMMUNOGLOBULIN ISOTYPE: IgG2b

Clone: Do7

POSITIVE CONTROL TISSUE: Bladder carcinoma, colon carcinoma

REACTIVITY

This antibody reacts with wild type and mutant forms of p53 Oncoprotein. Mutations in the gene coding for p53 Oncoprotein results in over-expression and delectability by Immunohistochemical method. P53 has been detected in a variety of malignancies such as breast, colon and lungs. This antibody is compatible with formalin fixative as well as must commonly used histological fixatives (see special usage guidance of this data sheet).

Antibody FORMAT, DILUTION and INCUBATION

Affinity purified monoclonal anti p53 Oncoprotein antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml of pre-diluted, Ready-to-Use: Do not dilute. Incubate for 30 minutes.

0.5 ml of concentrate: Dilute 1:50 for 30 minute incubation. For longer incubation time the working titer should be determined by the end user.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection system and the use of Enhancing wash buffer (see special usage guidance below). For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, for best staining results, the use of Innovex Signal- Enhancing Wash Buffer is highly recommended when staining **formalin fixed paraffin** embedded sections. The use of **Innovex Signal-Enhancing** Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps greatly enhances staining signals for antigenically weak tissues or for over fixed tissues. **It use further eliminates the need for enzyme Pre-digestion, heat application** (retrieval procedure), **long incubation of primaries and repetitive procedures.**

APPLICATIONS

This antibody is intended for use in immunolocalization of p53 Oncoprotein by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative or quantitative localization of p53 Oncoprotein. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissues has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial label.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY

FOR ADDITIONAL TECHNICAL SUPPORT:



American MasterTech
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