**Antibody to p53 Protein (DO-7)**

**Catalogue No:** VP-P958

## Product Specifications

### Intended use:
For in-vitro diagnostic use.

Mouse Monoclonal Anti-Human p53 protein is intended for immunohistochemistry methodologies. A differential diagnosis is complemented by using a panel of antibodies and in conjunction with morphological studies, patient clinical history and other diagnostic tests by a qualified pathologist.

The p53 oncoprotein functions at two levels: as an oncoprotein, by complexing in its mutant form with wild type p53, and as a tumour suppressor gene in its normal state. The gene for p53 is located on chromosome 17p, a frequent site of allele loss in many tumours including lung, colon, breast and brain. The p53 oncoprotein can be detected by immunohistochemistry in various carcinomas including breast, colon, bladder and lung. Clone DO-7 reacts with wild and mutant type p53.

**Storage and stability:** Store at 2-8°C. Do not freeze. Do not use after expiration date on vial.

**Specificity:** Human p53 protein wild type and mutant forms under both denaturing and non-denaturing conditions.

**Clone:** DO-7  
**Ig Class:** IgG2b

**Mouse IgG conc:** See details on vial label

**Immunogen:** Recombinant human wild type p53 protein.

**Product:** 1ml liquid tissue culture supernatant containing 15mM sodium azide.

**Precautions:** As this product is derived from biological material proper handling procedures should be employed. Sodium azide is not considered hazardous at 15mM. However, an MSDS is available on request or online (www.vectorlabs.com) for safety or disposal information.

**Specimen Preparation**

**Paraffin sections:** VP-P958 can be used on paraffin wax embedded tissue fixed in 10% neutral buffered formalin. (Prolonged fixation in buffered formalin can destroy the epitope)

**Frozen sections:** Yes.

**INSTRUCTIONS FOR USE**

Dilutions and times are only a guide, there may be variations due to fixation, specimen collection and preparation, optimal conditions should be established by the individual laboratory.

VP-P958 should be applied to sections in the dilution range 1:50-1:100 for 60 minutes at 25°C.

**Positive control tissue:** A positive control should be used in each run. The recommended control tissue is colorectal or breast carcinoma.

**Negative control tissue:** A negative control tissue should be set up to verify the specificity of the antibody. The recommended negative control is cerebellum.

**Negative control reagent:** A negative control mouse immunoglobulin (e.g. I-2000) should be used to evaluate non-specific binding.

**Visualisation:** VECTASTAIN® Elite ABC Peroxidase Kits (PK-6200 or PK-6102, PK-7200) in conjunction with substrate kits (SK-4100 or SK-4800) are all recommended for use with this antibody. Specific protocols are included in each kit.

For professional use only.

### Selected References:


**Authorised representative:** Vector Laboratories Ltd  
3 Accent Park  
Bakewell Road  
Orton Southgate  
Peterborough  
PE2 6XS, U.K.  
Tel: 01733 237999 • Fax: 01733 237119