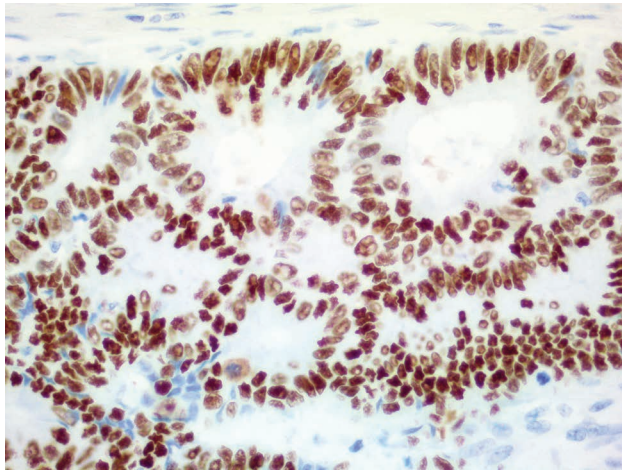


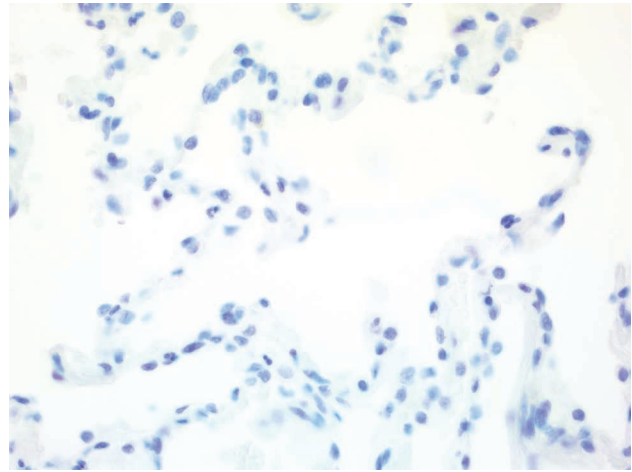
Anti-Human p53 Antibody for IHC

Performance, specificity, and quality are critical requirements for obtaining accurate protein detection results by IHC. SDIX has manufactured OriGene's UltraMAB® p53 antibody, Clone DO7, in a GMP environment and obtained CE marking for this product. The CE mark provides a level of quality, safety and performance to ensure product reliability and reproducibility.

p53 Staining of Human Colon Tumor and Lung Tissue



Panel 1 – Positive tissue, human colon tumor



Panel – 2 Negative tissue, normal lung tissue

Figure 1. IHC screens using anti-p53 antibody CE00003.

Product Features

- Highly-specific
- GMP manufactured
- For use in IHC applications
- Detection of p53 protein in human tissues and cells
- For *in vitro* diagnostic (IVD) use*

Product Details

- **Antibody Type:** Mouse Monoclonal, IgG2b
- **Clone:** DO7
- **Reference #:** CE00003
- **Aliquot Sizes:** 0.1mL, 0.5mL and 1.0mL
- **Recommended Dilution:** 1:100 – 1:200
- **Buffer:** 20mM Sodium phosphate, 150mM Sodium chloride, 0.2% BSA, 0.09% Sodium azide, pH 7.4

Intended Use and Specificity

Anti-human p53 Mouse Monoclonal Primary Antibody is intended for detection of p53 protein expression in frozen or formalin fixed human tissues and cells. The antibody is intended for *in vitro* diagnostic (IVD) use*.

The specificity of the anti- human p53 (Clone: DO7) Mouse Monoclonal Primary Antibody was established on human colon tumor and normal human lung tissue. The anti-p53 presented positive staining on formalin fixed human colon tumor tissue using immunohistochemical (IHC) test methods, but no staining on normal lung tissue (Figure 1).

*The clinical interpretation of any positive staining or its absence should be complemented by morphological and histological studies with proper controls. Evaluations should be made within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

What is p53?

The p53/TP53 gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The TP53 gene is located on chromosome 17p13.1. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons (PMIDs: 12032546, 20937277). [provided by RefSeq, Feb 2013].

Ordering Information

Catalog No.	Aliquot Size	Description
C0003MA01-MA	0.1 mL	Anti-human p53 Mouse Monoclonal Primary antibody, Clone DO7
C0003MA05-MA	0.5 mL	Anti-human p53 Mouse Monoclonal Primary antibody, Clone DO7
C0003MA10-MA	1.0 mL	Anti-human p53 Mouse Monoclonal Primary antibody, Clone DO7

For more information on or to place an order, please call 1-800-544-8881 or 302-456-6789.

You may also send an email to sales@sdix.com.

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