

Anti-p53 Antibody [DO-1] - BSA and Azide free (A253368)

Specifications:

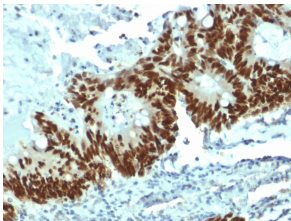
Name:	Anti-p53 Antibody [DO-1] - BSA and Azide free
Description:	Mouse monoclonal [DO-1] antibody to p53.
Specificity:	This antibody recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild form of p53. Its epitope maps within the N-terminus (aa 20-25) of p53. Monoclonal antibody PAb1801 does not block the binding of DO-7 MAb to p53 in an ELISA test. p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.
Applications:	Flow Cytometry, IF, WB, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml, IHC-P: 0.25-0.5 µg/ml
Reactivity:	Human
Cross Reactivity:	This antibody does not cross react with Rat or Monkey.
Immunogen:	Recombinant human wild type p53 protein expressed in E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	DO-1
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.

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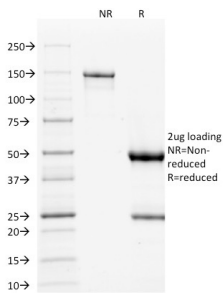
Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-p53 Antibody [DO-1] (A250188).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

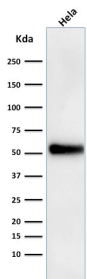
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma using Anti-p53 Antibody [DO-1].



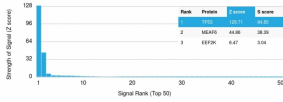
SDS-PAGE analysis of Anti-p53 Antibody [DO-1] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of HeLa cell lysate using Anti-p53 Antibody [DO-1].

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-p53 Antibody [DO-1]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.