

p53 Monoclonal Antibody [DO-1]

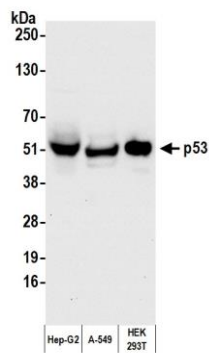
Mouse Monoclonal

Purified		Protein ID	P04637
Catalog No.	A500-015A	GeneID	7157
Lot No.	A500-015A-3		

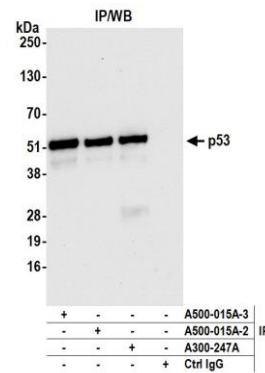


APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
AMOUNT	100 µl (10 blots)
CONCENTRATION	100 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG2a
CLONE #	DO-1
ORIGIN	USA
PRODUCTION PROCEDURES	The antibody was purified from mouse hybridoma (DO-1) conditioned media.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Western Blot 1:1000 Immunoprecipitation 20 µl/mg lysate Immunohistochemistry 1:50 – 1:200. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
APPLICATION NOTES	Validation by IP/Western Blot was performed using a 4–20% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A500-015A Use the link above to view SDS, a current list of citations, and other product specific information.

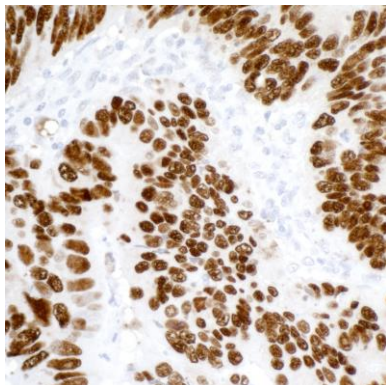
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: July 22, 2020



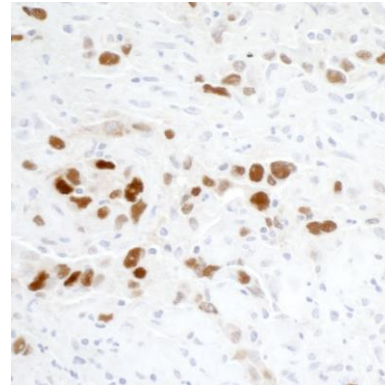
Detection of human p53 by western blot. *Samples:* Whole cell lysate from Hep-G2 (50 µg), A-549 (50 µg), and HEK293T (1 µg) cells prepared using NETN lysis buffer. *Antibody:* Mouse anti-p53 monoclonal antibody [DO-1] (A500-015A lot 3) used at 1:1000. *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P). Chemiluminescence with an exposure time of 10 seconds.



Detection of human p53 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Hep-G2 cells prepared using NETN lysis buffer. *Antibodies:* Mouse anti-p53 monoclonal antibody [DO-1] (A500-015A Lot 3) used for IP at 20 µl/mg lysate. p53 was also immunoprecipitated by a previous lot of this antibody (A500-015A Lot 2) and rabbit anti-p53 antibody A300-274A. For blotting immunoprecipitated p53, A300-274A was used at 0.4 µg/ml. Chemiluminescence with an exposure time of 10 seconds.



Detection of human p53 in FFPE colon carcinoma by immunohistochemistry. *Antibody:* Mouse monoclonal anti-p53 [DO-1] (A500-015A Lot 3). *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P). *Substrate:* DAB.



Detection of human p53 in FFPE breast carcinoma by immunohistochemistry. *Antibody:* Mouse monoclonal anti-p53 [DO-1] (A500-015A Lot 3). *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P). *Substrate:* DAB.