Eff. Date: 2 June 2023
Version: 2.1
IFU: p53 ILM7157

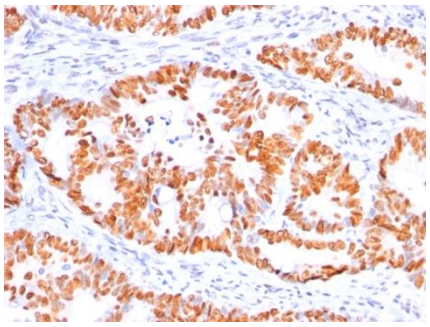
P53
clone BP53-12

Instructions for Use

Specification:
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 under denaturing and non-denaturing conditions. Its epitope maps within the N-terminus (aa 20-25) of p53 oncoprotein. 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. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.

Availability:

Catalog No.	Contents	Volume
ILM7157-C01	P 53	0,1 ml concentrate
ILM7157-C05	P 53	0,5 ml concentrate
ILM7157-C1	P 53	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human

Clone: BP53-12

Species of origin: Mouse

Isotype: IgG_{2a}

Control Tissue: Breast carcinoma, colon carcinoma

Staining: Nuclear

Immunogen: Recombinant human wild type p53 protein

Presentation: Bioreactor Concentrate with 0.05% Azide

Application and suggested dilutions:
Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution 1:200-1:400)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:200-1:400)
- Western blotting

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

1) Bartek J *et. al.* Journal of Pathology, 1993, 169(1):27-34.