

## p63 clone TP63/11

### Instructions for Use

**Specification:**

p63 is a homolog of the tumor suppressor p53. It is identified in basal cells in the epithelial layers of a variety of tissues, including epidermis, cervix, urothelium, breast and prostate. p63 was detected in nuclei of the basal epithelium in normal prostate glands; however, it was not expressed in malignant tumors of the prostate. As a result, p63 has been reported as a useful marker for differentiating benign from malignant lesions in the prostate, particularly when used in combination with markers of high molecular weight cytokeratin's and the prostate-specific marker AMACR (P504S). p63 has also been shown to be a sensitive marker for lung squamous cell carcinomas (SqCC), with a sensitivity of ~90%. Specificity for lung SqCC, vs. lung adenocarcinoma (LADC), is approximately 80%. In breast tissue, p63 has been identified in myoepithelial cells of normal ducts.

**Availability:**

Catalog No.	Contents	Volume
ILM8626-C01	p63	0,1 ml concentrate
ILM8626-C05	p63	0,5 ml concentrate
ILM8626-C1	p63	1,0 ml concentrate

**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** TP63/11

**Species of origin:** Mouse

**Isotype:** IgG2a

**Control Tissue:** Breast, normal prostate, prostate carcinoma or lung or bladder squamous cell carcinoma

**Staining:** Nuclear

**Immunogen:** Recombinant human p63 protein

**Presentation:** Bioreactor Concentrate with 0.05% Azide

**Application and suggested dilutions:**

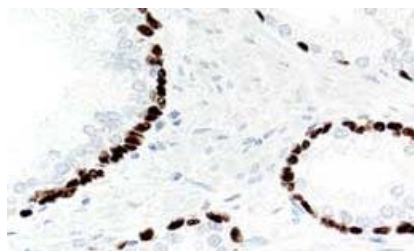
Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:400-1:800)

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:**

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- 5) Werling RW, et al. Am J Surg Pathol 2003 Jan;27(1):82-90
- 6) Rajal B Shah, et al. Am J Surg Pathol 2002 26(9):1161-1168
- 7) Di Como CJ, et al. Clinical Cancer Research 2002Vol.8 494-501
- 8) Weinstein MH, et al Mod Pathol 2002 Dec;15(12):1302-8
- 9) Ribeiro-Silva A, et al Arch Pathol Lab Med. 2003 Mar;127(3):336-40
- 10) Reis-Filho FS et al. Appl Immunohistochem Mol Morphol. 2003 Mar;11(1):1-8
- 11) Yang XJ et al. Hum Pathol. 2003 May;34(5):462-70
- 12) Zhou M et al. Am J Surg Pathol. 2003 Mar;27(3):365-71