

## p63 clone 4A4

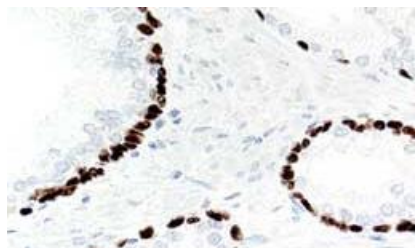
### Instructions for Use

#### Specification:

The p63 gene is located at chromosome 3q27-29 and belongs to the p53 gene family. p63 plays a critical role in the growth and development of many epithelial organs. p63 is confined to basal cells of squamous epithelia (including epidermis and hair follicles) and urothelium, as well as basal cells/myoepithelial cells in breast, sweat glands, salivary glands, and prostate. The expression of p63 has clinical value as a diagnostic marker in various tumor types. Thus, p63 helps to distinguish squamous cell carcinoma from adenocarcinoma in the lung or urothelial carcinoma from renal cell carcinoma. As known marker of basal cells in breast and prostate, p63 expression is useful for prostate cancer diagnosis and identifies a basal phenotype in some breast carcinomas.

#### Availability:

Catalog No.	Contents	Volume
ILM8651-C01	p63	0,1 ml concentrate
ILM8651-C05	p63	0,5 ml concentrate
ILM8651-C1	p63	1,0 ml concentrate



**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** 4A4

**Species of origin:** Mouse

**Isotype:** IgG K

**Control Tissue:** Breast, normal prostate

**Staining:** Nuclear

**Presentation:** tissue culture supernatant with 15mM sodium 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 1:100-1:200)

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) Yang A, et al. Mol Cell 1998;2:305-16
- 2) Signoretti S, et al Am J Pathol 2000;157:1769-75
- 3) Yang A, et al. Nature 1999;398:714-18
- 4) Barbareschi M. et al. Am J Surg Pathol 2001 Aug;25(8):1054-60
- 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