# Basal Cell Cocktail (p63 + HMW CK)

# (4A4 + 34βE12)

## Mouse Monoclonal Antibodies

**Specificity:** Humans

**Immunogen:** Human p63 and CKHMW (34βE12) polypeptides

**Ig Class:** IgG1a/k, IgG2a

**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions*: Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution: 1:50. Positive Control:* Prostate intraepithelial neoplasia (PIN). *Localization:* Cytoplasmic and nuclear. *Intended Use*: Research Use Only (RUO).

**Description:** The p63 protein, a homologue of the tumor-suppressor p53, is highly expressed in the basal or progenitor layer of many epithelial tissues. P63 is detected in prostate basal cells in normal prostate glands and PIN. However, it is negative in prostate adenocarcinoma. Thus, p63 is useful as a differential marker for benign prostate glands and adenocarcinoma (negative marker). High molecular weight keratin (HMW CK) clone 34bE12 antibody recognizes keratin 1, 5, 10, and 14 in the Moll catalog (MW 68kDa, 58kDa, 56.5kDa, and 50kDa), respectively. Keratin 34bE12 antibody promises to be a specific marker useful in differential diagnosis of benign and malignant tumors of prostatic gland. The combination of HMW CK 34bE12 and p63 is extremely useful for diagnosing prostate adenocarcinoma.

**Intended Use:** This antibody is intended for research use only (RUO). p63 (4A4) and HMW CK (34βE12) mouse monoclonal primary antibodies are intended for laboratory use in the detection of p63 and HMW CK in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

**Supplied As***:* PBS buffer with 0.2% BSA and 15mM sodium azide.

**References:**

1. Moll R, et al. Cell. 1982; 31(1):11-24.
2. Shah RB, et al. Am J Surg Pathol. 2002; 26:1161-8.
3. Shah RB, et al. Hum Pathol. 2007; 38:332-41.

REF **Z2304ML-R/ Z2304MS-R/ Z2304MT-R/ Z2304MP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)**

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C (concentrate) DIL (dilution) S (supernatant) S (predilute)

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