

## Mouse Monoclonal anti-Cytokeratin HMW, Clone 34bE12

60-0025; 60-0025-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0025; 61-0025-2; 61-0025-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

### Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect Cytokeratin HMW in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

The antibody reacts with keratins 1,5,10, and 14. In normal tissue, the antibody labels squamous, ductal, and other complex epithelia.

The antibody has variable positivity to adenocarcinomas. The most useful application of the antibody was described in the differential diagnosis of basal cell hyperplasia and atypical adenomatous hyperplasia of the prostate. The antibody labels benign basal cells of prostate acini but not prostate adenocarcinoma. In thyroid neoplasm, positivity was reported to be confined to papillary carcinoma, whereas follicular neoplasms are negative.

This antibody, when incorporated into a panel of antibodies, aids in the differential diagnosis of anaplastic tumors of unknown origin.

### Reagent provided

This antibody is purified immunoglobulin diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN<sub>3</sub>) as antimicrobial agent.

### Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN<sub>3</sub> may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

### Usage

#### Dilution

60-0025; 60-0025-7: Ready-To-Use

61-0025; 61-0025-2; 61-0025-5: Dilute 1:50 to 1:100 before use. Dilution guideline when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

#### Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

#### Positive control tissue

Prostate

#### Epitope retrieval

Proteinase K or Trypsin

#### Staining pattern

Cytoplasm and Membrane

### Storage

Store at 2-8°C.

### References

1. Gown AM, et al. J Cell Biol. 1982 Nov;95(2 Pt 1):414-24
2. Gown AM, et al. Am J Pathol. 1984 Feb;114(2):309-21
3. O'Malley FP, et al. Virchows Archives A Pathologic Anatomy 1990;417:191-6.

### Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

