

## Mouse Monoclonal anti-Cytokeratin 5/6, Clone D5/16B4

60-0016; 60-0016-7                      6 mL; 7 mL predilute Antibody, Ready-To-Use  
 61-0016; 61-0016-2; 61-0016-5       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 5/6 in normal and neoplastic formalin fixed paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

This antibody labels Cytokeratin 5 and 6, and is useful for the differentiation between low differentiated squamous cell carcinoma and adenocarcinoma, and between epithelial mesothelioma and metastatic carcinoma in the pleura when using together with a panel of other antibodies (e.g. Calretinin, TTF-1). Anti-Cytokeratin 5/6 has also been found useful in the differential diagnosis of atypical proliferations of the breast.

### 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

60-0016; 60-0016-7: Ready-To-Use  
 61-0016; 61-0016-2; 61-0016-5: Dilute 1:50 to 1:100 before use 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

Mesothelioma, prostate

#### Epitope retrieval:

HIER, Tris EDTA pH 9

#### Staining pattern

Cytoplasm

### Storage

Store at 2-8°C.

### References

1. Clover J, et al. Histopathology. 1997 Aug;31(2):140-3.
2. Cury PM, et al. Mod Pathol. 2000 Feb;13(2):107-12.
3. Schäfer H, et al. Angew Chem Int Ed Engl. 2000 Oct 16;39(20):3703-3705.

### Symbols

                          
 Catalog No.                      Batch No.                      In Vitro Diagnostic Use                      Temperature Range                      Use By