

## Mouse Monoclonal anti-Cytokeratin, Clone AE1/AE3

60-0022; 60-0022-7 6 mL; 7 mL predilute Antibody, Ready-To-Use  
 61-0022; 61-0022-2; 61-0022-5 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 majority cytokeratins in normal and neoplastic formalin fixed paraffin embedded tissue (FFPE) sections using immunohistochemical (IHC) 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 cocktail labels simple epithelia and their tumors including cytokeratins expressed in complex stratified squamous epithelia. Positive results aid in the classification of normal and a wide range of neoplastic tissues as epithelial in origin. This antibody serves as first tier antibody for differentiation of undifferentiated neoplasm.

Pan Cytokeratin clone AE1/AE3 antibody may be used with a panel of antibodies for differential diagnosis, e.g. Breast vs. lung or liver: CK7, AE1/AE3, CEA, GCDFP-15, TTF-1; Renal vs. lung or liver: AE1/AE3, CEA, TTF-1, Renal Cell Ag; Seminoma vs. lung or liver: CAM5.2, AE1/AE3, PLAP, EMA, CD30; Embryonal germ cell vs. lung or liver: AE1/AE3, TTF-1, CK7, PLAP, CD30

### 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

60-0022; 60-0022-7: Ready-To-Use

61-0022; 61-0022-2; 61-0022-5: 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

Tissue with epithelial cells (e.g. cervix, GI track, skin, tonsil, uterus, kidney, and placenta).

#### Epitope retrieval

HIER, Citrate pH 6

#### Staining pattern

Cytoplasm

### Storage

Store at 2-8°C.

### References

1. Woodcock-Mitchell J, et al. Journal of Cell Biology 1982;95:580-8A
2. Tseng SCG, et al. Cell 1982; 30361
3. Moll R, et al. Cell. 1982 Nov;31(1):11-24

### Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

