

Mouse Monoclonal Anti-Cytokeratin, Clone AE1

60-0023; 60-0023-7 6 mL; 7 mL predilute Antibody, Ready-To-Use
 61-0023, 61-0023-5, 61-0023-2 1 mL; 0.5 mL; 0.2 mL Concentrate Antibody
 Isotype IgG1
 Concentration: See container label

Intended Use

For In Vitro Diagnostic Use.
 This product is used to qualitatively detect Cytokeratin AE1 (low molecular weight) 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

Each epithelium contains at least one acidic and one basic keratin. Anti-Cytokeratin clone AE1 labels most acidic keratins and stains most epithelia and their neoplasms. The antibody is suited to distinguish poorly differentiated carcinomas from non-epithelial neoplasms.

Reagent provided

This antibody is diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃) 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 (NaN₃) is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN₃ 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 60-0023; 60-0023-7: Ready-To-Use
 61-0023; 61-0023-5; 61-0023-2: Dilute 1:50-100 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)

Epitope retrieval HIER, Citrate Buffer 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