

Mouse Anti-Cytokeratin Acid [AE1]: MC0120, MC0120RTU7

Intended Use: For Research Use Only

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.

Specifications:

Clone: AE1
Source: Mouse
Isotype: IgG1k
Reactivity: Human, monkey, cow, dog, rabbit, mouse, rat, chicken, turtle
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., IF, WB
Package:

| Description | Catalog No. | Size |
|-----------------------------------|-------------|------|
| Cytokeratin Acid AE1 Concentrated | MC0120 | 1 ml |
| Cytokeratin Acid AE1 Prediluted | MC0120RTU7 | 7 ml |

IHC Procedure*:

Positive Control Tissue: Tissue with epithelial cells (e.g. Cervix, GI track, skin, tonsil)
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human skin stained with anti-CK LMW using DAB

References:

1. TLR7-expressing cells comprise an interfollicular epidermal stem cell population in murine epidermis. Yin C, et al. Sci Rep 4:5831, 2014.
2. Tuning of protein kinase circuitry by p38a is vital for epithelial tissue homeostasis. Caballero-Franco C, et al. J Biol Chem 288:23788-97, 2013.
3. Monoclonal anti-keratin (AE1) reactivity in routinely processed tissue from 166 human neoplasms. Spagnolo DV, et al. Am J Clin Pathol 84:697-704, 1985.