

Mouse Anti-Cytokeratin Basic [AE3]: MC0119, MC0119RTU7

Intended Use: For Research Use Only

Description: Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI <5.7) and basic (pI >6.0) subfamilies. The acidic keratins have molecular weights of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40kDa. The basic keratins have molecular weights of 65-67, 64, 59, 58, 56 and 52kDa. Members of acidic and basic subfamilies are found together in pairs. The composition of keratin pairs varies with cell type, differentiation status and environment. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. AE1 labels most acidic keratins; therefore, it is a broadly reactive antibody staining most epithelia and their neoplasms. AE1 is particularly suited to distinguish poorly differentiated carcinomas from non-epithelial neoplasms. This marker stains both normal and neoplastic cells of epithelial origin.

Specifications:

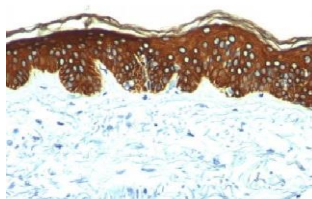
Clone: AE3
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human, monkey, cow, dog, rabbit, mouse, rat, chicken
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF, WB
 Package:

Description	Catalog No.	Size
Cytokeratin Basic AE3 Concentrated	MC0119	1 ml
Cytokeratin Basic AE3 Prediluted	MC0119RTU7	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 AE3 using DAB

References:

1. Interferons mediate terminal differentiation of human cortical thymic epithelial cells. Vidalain PO, et al. J Virol 76:6415-24, 2002.
2. Immunoreactive POMC-derived peptides and cytokines in the chicken thymus and bursa of Fabricius microenvironments: age-related changes. Franchini A, Ottaviani E. J Neuroendocrinol. Sep., 1999.

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