

Mouse Anti-Cytokeratin LMW [KRTL/1077]: MC0769, MC0769RTU7

Intended Use: For Research Use Only

Description: Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue. There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1, CK2, CK3, CK4, CK5, CK6, CK7, CK8 and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10, CK12, CK13, CK14, CK16, CK17, CK18, CK19 and CK20. This antibody recognizes low molecular weight cytokeratins (CK 10 (56.5), CK14 (50), CK15 (50), CK16 (48) and CK19(40) of the acidic family.

Specifications:

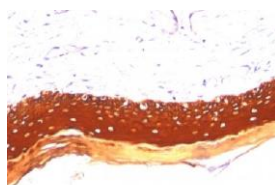
Clone: KRTL/1077
Source: Mouse
Isotype: IgG
Reactivity: Human, rat
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., ICC/IF, WB
Package:

Description	Catalog No.	Size
Cytokeratin LMW Concentrated	MC0769	1 ml
Cytokeratin LMW Concentrated	MC0769RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Colon, colon cancer
Concentrated Dilution: 50-200
Pretreatment: Proteinase K or trypsin at 37°C for 10-15 minutes
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. Correlation of specific keratins with different types of epithelial differentiation: monoclonal antibody studies. Tseng SC, et al. Cell. 1982 Sep;30(2):361-72.2, 1982.
2. Immunolocalization of keratin polypeptides in human epidermis using monoclonal antibodies. Woodcock-Mitchell J, et al. J Cell Biol. 1982 Nov;95(2 Pt 1):580-8, 1982.

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Rev. A