

Mouse Anti-Cytokeratin Pan [PAN-CK (Cocktail)]: MC0774, MC0774RTU7

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:

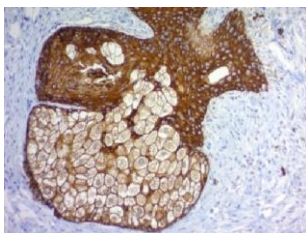
Clone: PAN-CK (Cocktail)
 Source: Mouse
 Isotype: IgG's/k
 Reactivity: Human, monkey, cow, dog, rabbit, mouse, rat, chicken
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., IF, WB
 Package:

Description	Catalog No.	Size
Cytokeratin Pan Concentrated	MC0774	1 ml
Cytokeratin Pan Prediluted	MC0774RTU7	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 by anti-CK Pan using DAB

References:

1. Lipid cell (steroid cell) tumor of the ovary: immunophenotype with analysis of potential pitfall due to endogenous biotin-like activity. Seidman JD, et al. Int J Gynecol Pathol 14:331-8, 1995.
2. Structural distinctions among human breast epithelial cells revealed by the monoclonal antikeratin antibodies AE1 and AE3. Sorenson SC, et al. J Pathol 153:151-62, 1987.
3. Are keratin proteins a better tumor marker than epithelial membrane antigen? A comparative immunohistochemical study of various paraffin-embedded neoplasms using monoclonal and polyclonal antibodies. Pinkus GS, et al. Am J Clin Pathol 85:269-77, 1986.

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