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DATA SHEET

Mouse Anti-Cytokeratin [C11]: MC0771, MC0771RTU7

Intended Use: For Research Use Only

Description: Monoclonal Anti-Pan Cytokeratin (clone C-11) recognizes human cytokeratins 4, 5, 6, 8, 10, 13 and 18. The antibody reacts with simple, cornifying and non-cornifying squamous epithelia and pseudostratified epithelia. It does not react with non-epithelial normal human tissues. This antibody can be applied to methanol or acetone-fixed, frozen sections, and to formalin-fixed, paraffin-embedded human tissues. Increased staining intensity is seen following proteolytic treatment of formalin fixed tissue. Similarly, methacarn-fixed material is also suitable for cytokeratin demonstration. Monoclonal Anti-Pan cytokeratin exhibits a wide interspecies cross-reactivity (e.g., human, bovine, rat, frog). Monoclonal anti-cytokeratins are specific markers of epithelial cell differentiation and have been widely used as tools in tumor identification and classification. Mouse monoclonal clone C-11 anti-cytokeratin, pan antibody is a broad spectrum antibody which recognizes an epitope present in most human epithelial tissues. It facilitates typing of normal, metaplastic and neoplastic cells. It may aid in the discrimination of carcinomas and non-epithelial tumors such as sarcomas, lymphomas and neural tumors. It is also useful in detecting micrometastases in lymph nodes, bone marrow and other tissues, and for determining the origin of poorly differentiated tumors.

Specifications:

Clone:	C11
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human, cow, rat, mouse, guinea pig, frog, goat, marmoset, pig
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 Concentrated	MC0771	1 ml
Cytokeratin Prediluted	MC0771RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Hepatocytes
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 colon carcinoma stained with Cytokeratin [C11] using DAB

References:

1. Macrophage-derived lipocalin-2 transports iron in the tumor microenvironment. Mertens C, et al. Oncoimmunology 7:e1408751, 2018.
2. Anemia and thrombocytopenia as initial symptoms of occult breast cancer with bone marrow metastasis: A case report. Liu L, et al. Medicine (Baltimore) 96:e8529, 2017.
3. Effects of Autologous Platelet-Rich Plasma on Regeneration of Damaged Endometrium in Female Rats. Jang HY, et al. Yonsei Med J 58:1195-1203 (2017).

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