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DATA SHEET

Mouse Anti-Desmin [D33]: MC0124, MC0124RTU7

Intended Use: For Research Use Only

Description: Desmin is a characteristic intermediate filament of all three types of muscle cells (skeletal, cardiac, and smooth muscle) and neoplasms associated with them. In general, desmin is a specific marker for myogenic differentiation among soft tissue tumors. It is seen in the majority of rhadbomyomas,leiomyomas, rhadbomyosarcoma, and leiomyosarcomas. Desmin is also seen in myofibroblasts. Myoepithelial cells typically lack desmin. The antibody labels smooth and striated muscle cells as well as mesothelial cells. It allows the subtyping of many undifferentiated and pleomorphic tumors through intermediate filament analysis. With selected panels of antibodies, it is a useful tool to separate the different pleomorphic spindle cell tumors and round cell tumors in soft tissues and skin. The antibody labels strongly reactive mesothelial cells, but not malignant mesothelioma and adenocarcinoma.

Specifications:

Clone:	D33
Source:	Mouse
Isotype :	IgG1k
Reactivity:	Human
Immunogen:	Human Leiomyoma
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

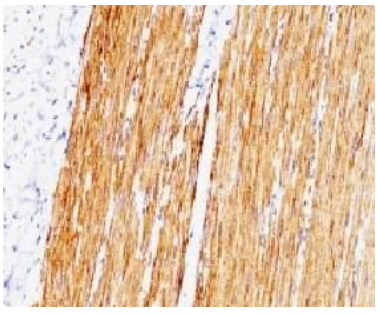
Package:

Description	Catalog No.	Size
Desmin Concentrated	MC0124	1 ml
Desmin Prediluted	MC0124RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Uterus
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 15 minutes Pressure Cooker or 30-60 minutes 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 leiomyosarcoma stained with anti-Desmin using DAB

References:

1. GSK3- and PRMT-1-dependent modifications of desmoplakin control desmoplakin-cytoskeleton dynamics. Albrecht LV, et al. J Cell Biol 208:597-612, 2015.
2. ISL1 Protein Transduction Promotes Cardiomyocyte Differentiation from Human Embryonic Stem Cells. Fonoudi H, et al. PLoS One 8:e55577, 2013.
3. Paeoniflorin regulates macrophage activation in dimethylnitrosamine-induced liver fibrosis in rats. Chen X, et al. BMC Complement Altern Med 12:254, 2012.

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