

Mouse Anti-MART-1/Melan A [A103]: MC0189, MC0189RTU7

Intended Use: For Research Use Only

Description: MART-1, also known as Melan-A, is a melanocyte lineage-specific protein (MART-1; melanoma antigen recognized by T cells 1) recognized by the T lymphocytes of patients with established malignancy. MART-1 labels both normal melanocyte and diseased cell with melanocyte differentiation. It is useful for diagnosis of tumors with melanocyte differentiation, especially metastatic melanoma. Identification of MART-1 also opens possibilities for the development of immunotherapies for patients with melanoma.

Specifications

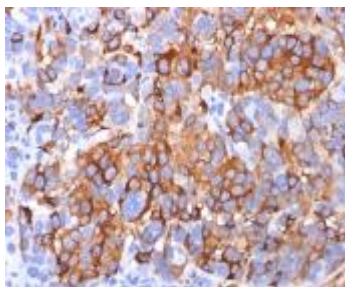
Clone: A103
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human, mouse, rat, dog
 Immunogen: Recombinant human MART-1 protein
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., IF, WB
 Package:

Description	Catalog No.	Size
MART-1/Melan A Concentrated	MC0189	1 ml
MART-1/Melan A Prediluted	MC0189RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Skin, melanoma
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 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 Melanoma stained with MART-1/Melan-A using DAB

References:

1. Reconstitution of full-thickness skin by microcolumn grafting. Tam J, et al. J Tissue Eng Regen Med N/A:N/A, 2016.
2. Quantitative measurement of melanoma spread in sentinel lymph nodes and survival. Ulmer A, et al. Med 11:e1001604, 2014.
3. Localisation of epithelial cells capable of holoclone formation in vitro and direct interaction with stromal cells in the native human limbal crypt. Dziasko MA, et al. PLoS One 9:e94283, 2014.
4. Direct chemosensitivity monitoring ex vivo on undissociated melanoma tumor tissue by impedance spectroscopy. Jahnke HG, et al. Cancer Res 74:6408-18, 2014.