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DATA SHEET

# 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 ≤ 0.09% sodium azide (NaN3) |
| Storage: | Store at 2°- 8°C |
| Applications: | IHC, Flow Cyt., IF, WB |

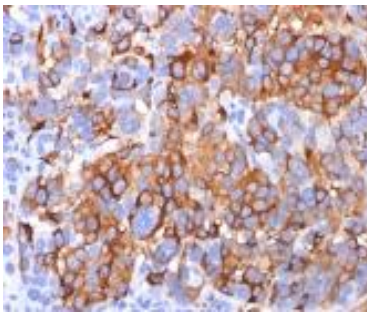
Package:

| 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 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 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.





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