

## Mart-1 (Melan A) clone A103

### Instructions for Use

**Specification:**

This antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Seven other melanoma associated antigens recognized by autologous cytotoxic T cells include MAGE-1, MAGE-3, tyrosinase, gp100, gp75, BAGE-1, and GAGE-1. Subcellular fractionation shows that MART-1 is present in melanosomes and endoplasmic reticulum. This MAb labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive marker for angiomyolipoma's. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

**Availability:**

Catalog No.	Contents	Volume
ILM022111-C01	Mart-1 (Melan A)	0,1 ml concentrate
ILM022111-C05	Mart-1 (Melan A)	0,5 ml concentrate
ILM022111-C1	Mart-1 (Melan A)	1,0 ml concentrate

**Intended use:** For Research Use Only

**Reactivity:** Human, Mouse, Rat and Dog. Others-not tested.

**Clone:** A103

**Species of origin:** Mouse

**Isotype:** IgG<sub>1k</sub>

**Control Tissue:** Melanoma, normal skin

**Staining:** Cytoplasmic

**Immunogen:** Recombinant hMART-1 protein

**Presentation:** Bioreactor Concentrate with 0.05% Azide

**Application and suggested dilutions:**

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:50-1:100)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:50-1:100)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

**References:**

- 1) Yaziji H. Gown AM. In J Surg Pathol. 2003 Jan; 11(1)11-5
- 2) Mocellin S et al. J Immunother. 2001 Nov-Dec;24(6):447-58
- 3) Perez RP et al. Hum Pathol. 2000 Nov;31(11):1381-8
- 4) Hoang MP et al. J Cutan Pathol. 2001 Sep;28(8):400-6

