

# MART-1 / Melan-A / MLANA (Melanoma Marker); Clone A103, M2-7C10 & M2-9E3 (Concentrate)

**Availability/Contents:**

<u>Item #</u>	<u>Volume</u>
RA0115-C.5	0.5 ml

**Description:**

Species:	Mouse
Immunogen:	Recombinant hMART-1 protein (A103; M2-7C10; M2-9E3)
Clone:	A103, M2-7C10 & M2-9E3
Isotype:	IgG1 (A103); IgG2b (M2-7C10 & M2-9E3)
Entrez Gene ID:	2315 (Human)
Hu Chromosome Loc.:	9p24.1
Synonyms:	Antigen LB39-AA, Antigen SK29-AA, Melanoma antigen recognized by T-cells 1, MLAN-A, MLANA
Mol. Weight of Antigen:	20-22kDa (doublet)
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
Background:	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.
Species Reactivity:	Human, Mouse, Rat and Dog. Others not tested.
Positive Control:	SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
Cellular Localization:	Cytoplasmic
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml Flow Cytometry: 0.5-1 µg/million cells Immunofluorescence: 0.5-1 µg/ml Western Blotting: 0.5-1 µg/ml Immunoprecipitation: 0.5-1 µg/500µg protein lysate
Microbiological State:	This product is not sterile.

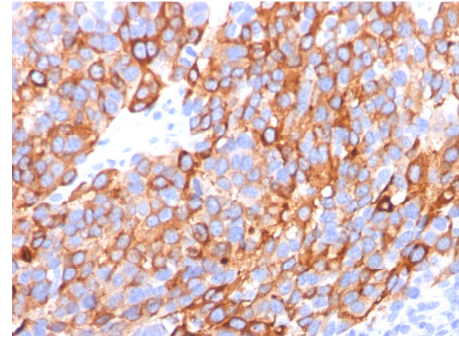
 Storage: 2° C  8° C


 ScyTek Laboratories, Inc.  
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 U.S.A.



 EmergoEurope (31)(0) 70 345-8570  
 Molsnstraat 15  
 2513 BH Hague, The Netherlands

**Uses/Limitations:** Not to be taken internally.  
For Research Use Only.  
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.  
Do not use if reagent becomes cloudy.  
Do not use past expiration date.  
Non-Sterile.



**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

Formalin-paraffin human melanoma stained with MART-1; Clone A103, M2-7C10 & M2-9E3. Note cytoplasmic staining of cells.

**Procedure:**

- Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# GPL500).
- Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
- Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


**Precautions:** Contains Sodium Azide as a preservative (0.09% w/v).  
Do not pipette by mouth.  
Avoid contact of reagents and specimens with skin and mucous membranes.  
Avoid microbial contamination of reagents or increased nonspecific staining may occur.  
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


**References:**

- Chen Y-T, *et al.* Proc Natl Acad Sci, USA, 1996, 93:5915-19.
- Kawakami Y, *et al.* Journal of Immunological Methods, 1997, 202(1):13-25.
- Marincola FM, *et al.* Journal of Immunotherapy with Emphasis on Tumor Immunology, 1996, 19(3):192-205.

**Warranty:**


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Storage: 2° C  8° C



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