

Melanoma Marker (MART-1 & gp100); Clone DT101, BC199, & HMB45 (Concentrate)

Availability/Contents:

<u>Item #</u>	<u>Volume</u>
RA0413-C.5	0.5 ml

Description:

Species: Mouse

Immunogen: Recombinant hMART-1 protein (DT101 & BC199); Extract of pigmented melanoma metastases from lymph nodes (HMB45).

Clone: DT101, BC199, & HMB45

Isotype: IgG2b (DT101 & BC199); IgG1 (HMB45).

Entrez Gene ID: 2315-MART-1; 6490-gp100 (Human)

Synonyms: Melanoma antigen recognized by T-cells 1 (MART-1), MLAN-A; PMEL17

Mol. Weight of Antigen: 20-22kDa (doublet) (MART-1); 90-100kDa (gp100)

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 antibody cocktail recognizes two melanoma-specific proteins which include MART-1 and gp100.

Background: MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T-lymphocytes. The function of gp100 is not known, but it is reported to be a useful marker for melanocytes and melanomas. A cocktail of these two markers is sensitive for labeling formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation.

Species Reactivity: Human. 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

Microbiological State: This product is not sterile.

Storage: 2° C  8° C

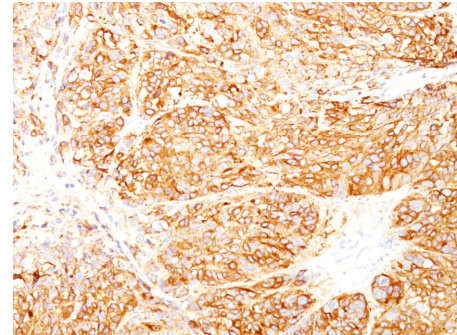


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Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do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



Ordering Information and Current Pricing at www.scytek.com

Formalin-fixed, paraffin-embedded melanoma stained with Melanoma Marker; Clone DT101, BC199, & HMB45.

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# GPL500).
2. **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.
3. **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:

1. Chen Y-T, *et. al.* Proc Natl Acad Sci, USA, 1996, 93:5915-19.
2. Kawakami Y, *et. al.* Journal of Immunological Methods, 1997, 202(1):13-25.
3. Gown AM, *et. al.* American Journal of Pathology, 1986, 123(2):195-203.

Warranty:


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Storage: 2° C  8° C



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