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MART-1 (Melan A) (A103)

For In Vitro Diagnostic Use (IVD)
English: Instructions For Use

Presentation
Anti-MART-1 (Melan A) is a mouse monoclonal antibody from supernatant diluted in tris buffered saline, pH 7.3-7.7, with protein base, and preserved with sodium azide.

Applications
MART-1 (also known as Melan A) is a melanocyte differentiation antigen. It is present in melanocytes of normal skin and retina, nevi and in more than 85% of melanomas. This antibody is very useful in establishing the diagnosis of metastatic melanomas.

Reactivity	Paraffin, frozen
Control	Melanoma, normal skin
Visualization	Cytoplasmic
Stability	Up to 36 months; store at 2-8°C
Isotype	IgG_1

The immunoglobulin concentration of the reagent appears on the product label.

Antibody color does not affect performance

Description	Cat. No.	Dilution/Comments
0.1 ml, concentrate	281M-84	1:100 - 1:500*
0.5 ml, concentrate	281M-85	1:100 - 1:500*
1 ml, concentrate	281M-86	1:100 - 1:500*
1 ml, prediluted	281M-87	Ready to use
7 ml, prediluted	281M-88	Ready to use
Positive control slides	281S	5 slides per pack

P prediluted
C concentrate

Preparation and Pretreatment
1. Cut 3-4 µm section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58°C.
2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques using Cell Marque's Trilogy™ in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water.
3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step.

Recommended Protocol for Staining at Room Temperature Using CytoScan™ BSA Detection System
1. Apply the antibody and incubate for 30 - 60 minutes; rinse.
2. Apply the link and incubate for 10 minutes; rinse.
3. Apply the label and incubate for 10 minutes; rinse.
4. Apply ample amount of chromogen and incubate for 1 - 10 minutes; rinse.
5. Dehydrate and coverslip.

Recommended Protocol for Staining at Room Temperature Using PolyScan™ Polymer Detection System
1. Apply the antibody and incubate for 30 - 60 minutes; rinse.
2. Apply the PolyScan™ Polymer Rabbit/Mouse Detection System for 30 minutes; rinse.
3. Apply ample amount of chromogen and incubate for 1 - 10 minutes; rinse.
4. Dehydrate and coverslip.

References
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3. Bergman R, Azzam H, et al. J Am Acad Dermatol 2000 Mar;42(3):496-500
4. Orsz Z: Histopathology 1999 Jun;34(6):517-25
5. Yaziji H, Gown AM. In J Surg Pathol. 2003 Jan;11(1):11-5
6. Mocellin S et al. J Immunother. 2001 Nov-Dec;24(6):447-58
7. Perez RP et al. Hum Pathol. 2000 Nov;31(11):1381-8
8. Hoang MP et al. J Cutan Pathol. 2001 Sep;28(8):400-6

*The dilutions set forth above are estimates; actual results may differ because of variability in methods and protocols. Validation of antibody performance/protocol is the responsibility of the end user.

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CE *Material Safety Data Sheet available upon request.*