10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MART-1/Melan-A Antibody (C-term) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2133a

Specification

MART-1/Melan-A Antibody (C-term) (Ascites) - Product Information

Application	**WB,E**
Primary Accession	Q16655
Other Accession	NP_005502
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Antigen Region	**60-92**

MART-1/Melan-A Antibody (C-term) (Ascites) - Additional Information

Gene ID 2315

Other Names
Melanoma antigen recognized by T-cells 1, MART-1, Antigen LB39-AA, Antigen SK29-AA, Protein Melan-A, MLANA, MART1

Target/Specificity
This MART-1/Melan-A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 60-92 amino acids from the C-terminal region of human MART-1/Melan-A.

Dilution
WB~~1:100~1600

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MART-1/Melan-A Antibody (C-term) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

MART-1/Melan-A Antibody (C-term) (Ascites) - Protein Information

Name MLANA

Synonyms MART1

Function Involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital

role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.

Cellular Location
Endoplasmic reticulum membrane; Single-pass type III membrane protein. Golgi apparatus. Golgi apparatus, trans-Golgi network membrane. Melanosome. Note=Also found in small vesicles and tubules dispersed over the entire cytoplasm. A small fraction of the protein is inserted into the membrane in an inverted orientation Inversion of membrane topology results in the relocalization of the protein from a predominant Golgi/post-Golgi area to the endoplasmic reticulum. Melanoma cells expressing the protein with an inverted membrane topology are more effectively recognized by specific cytolytic T-lymphocytes than those expressing the protein in its native membrane orientation

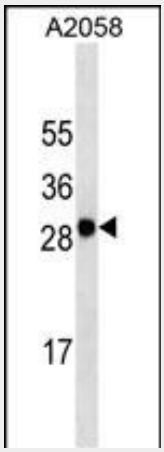
Tissue Location
Expression is restricted to melanoma and melanocyte cell lines and retina

MART-1/Melan-A Antibody (C-term) (Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MART-1/Melan-A Antibody (C-term) (Ascites) - Images



MART-1/Melan-A Antibody (C-term)(Ascites)(Cat. #AM2133a) western blot analysis in A2058 cell line lysates (35µg/lane).This demonstrates the MART-1/Melan-A antibody detected the MART-1/Melan-A protein (arrow).

MART-1/Melan-A Antibody (C-term) (Ascites) - Background

MLANA is involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein SILV/PMEL17, which is critical to the formation of stage II melanosomes.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MART-1/Melan-A Antibody (C-term) (Ascites) - References

Li, Y., et al. J. Mol. Biol. 399(4):596-603(2010)
Giordano, F., et al. Hum. Mol. Genet. 18(23):4530-4545(2009)
Fernandez, L.P., et al. Exp. Dermatol. 18(7):634-642(2009)
Beltraminelli, H., et al. Am J Dermatopathol 31(3):305-308(2009)
Serana, F., et al. J Transl Med 7, 21 (2009) :