

**Anti-MLANA / Melan-A Antibody (clone A103)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS18240****Specification**

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**Anti-MLANA / Melan-A Antibody (clone A103) - Product Information**

Application	WB, IHC-P, IF, FC
Primary Accession	<a href="#">Q16655</a>
Predicted	Human, Mouse, Rat, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Calculated MW	13157

**Anti-MLANA / Melan-A Antibody (clone A103) - Additional Information****Gene ID 2315**

Alias Symbol	MLANA
<b>Other Names</b>	MLANA, Antigen LB39-AA, Antigen SK29-AA, Melan-A, Protein Melan-A, MART-1, MART1

**Target/Specificity**  
Human MLANA / Melan-A

**Reconstitution & Storage**  
Protein G purified

**Precautions**  
Anti-MLANA / Melan-A Antibody (clone A103) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-MLANA / Melan-A Antibody (clone A103) - 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

**Anti-MLANA / Melan-A Antibody (clone A103) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MLANA / Melan-A Antibody (clone A103) - Images**