

## melan A

Mouse Monoclonal antibody(Mab)
Catalog # AD80231

#### **Product Information**

Application IHC-P
Primary Accession Q16655
Reactivity Human
Host Mouse
Clonality Monoclonal
Clone Names 134H9E9
Calculated MW 13157

### **Additional Information**

Gene ID 2315 Gene Name MLANA

Other Names Melanoma antigen recognized by T-cells 1, MART-1, Antigen LB39-AA, Antigen

SK29-AA, Protein Melan-A, MLANA, MART1

**Dilution** IHC-P~~Ready-to-use

**Storage** Maintain refrigerated at 2-8°C.

**Precautions** MART-1/melan A Antibody is for research use only and not for use in

diagnostic or therapeutic procedures.

### **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.

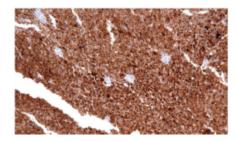
Golgi apparatus. Golgi apparatus, trans-Golgi network membrane.

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

# **Images**



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.