

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

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18240

Product Information

Application	WB, IHC-P, IF, FC
Primary Accession	Q16655
Predicted	Human, Mouse, Rat, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	A103
Calculated MW	13157
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	2315
Alias Symbol	MLANA
Other Names	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.

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

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