

MART-1/Melan-A Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11689c

Specification

MART-1/Melan-A Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q16655](#)

MART-1/Melan-A Antibody (Center) Blocking peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MART-1/Melan-A Antibody (Center) Blocking peptide - 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 (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MART-1/Melan-A Antibody (Center) Blocking peptide - Images

MART-1/Melan-A Antibody (Center) Blocking peptide - Background

Polymerase that creates the 3'-poly(A) tail of mRNA's. Also required for the endoribonucleolytic cleavage reaction at some polyadenylation sites. May acquire specificity through interaction with a cleavage and polyadenylation specificity factor (CPSF) at its C-terminus.

MART-1/Melan-A Antibody (Center) Blocking peptide - References

Rapti, A., et al. Mol. Cell. Biochem. 340 (1-2), 91-96 (2010) :Nan, H., et al. J. Invest. Dermatol. 129(9):2250-2257(2009)Olsen, J.V., et al. Cell 127(3):635-648(2006)Dettwiler, S., et al. J. Biol. Chem. 279(34):35788-35797(2004)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)