

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

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**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)