

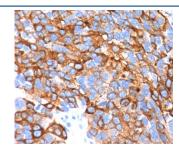
# MART-1 Antibody Cocktail [clone A103 + M2-7C10 + M2-9E3] (V2118)

Catalog No.	Formulation	Size
V2118-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2118-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2118SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2118IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

# Citations (1)

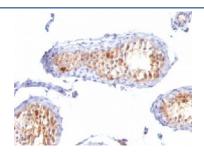
# **Bulk quote request**

Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1 (A103) + IgG2b (M2-7C10 & M2-9E3)
Clone Name	A103 + M2-7C10 + M2-9E3
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	2315
Localization	Cytoplasmic
Applications	Flow Cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Western Blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This MART-1 antibody cocktail is available for research use only.



IHC testing in human melanoma stained with MART-1 antibody cocktail.

IHC testing of FFPE testis tissue with MART-1 antibody cocktail.



## **Description**

This antibody cocktail recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 is a melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. There are seven other melanoma associated antigens recognized by autologous cytotoxic T cells: MAGE-1, MAGE-3, tyrosinase, gp100, gp75, BAGE-1, and GAGE-1. Subcellular fractionation shows that MART-1 is present in melanosomes and endoplasmic reticulum. This MART-1 antibody cocktail labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. The antibody cocktail does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

## **Application Notes**

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

- 1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
- 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

#### **Immunogen**

Recombinant human protein (A103; M2-7C10; M2-9E3) was used as the immunogen for this MART-1 antibody cocktail.

### **Storage**

Store the MART-1 antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

### **Alternate Names**

Antigen LB39-AA, Antigen SK29-AA, Melanoma antigen recognized by T-cells 1, MLAN-A, MLANA, MART-1 antibody, Melan-A antibody

References (3)