

Datasheet for ABIN6939394

**anti-MLANA antibody****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	MLANA
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MLANA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunostaining (Ist), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant hMART-1 protein
Clone:	A103
Isotype:	IgG1 kappa
Specificity:	<p>This antibody recognizes a protein doublet of 20-22 kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Seven other melanoma associated antigens recognized by autologous cytotoxic T cells include 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 MAbs labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.</p>

## Product Details

Purification: Purified by Protein A/G

## Target Details

Target: MLANA

Alternative Name: MLANA ([MLANA Products](#))

Molecular Weight: 20-22kDa (doublet)

Gene ID: 2315

UniProt: [Q16655](#)

## Application Details

Application Notes: Positive Control: SK-MEL-13 and SK-MEL-19 melanoma cell lines. Human melanoma tissues.  
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

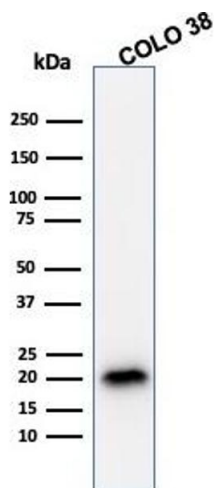
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

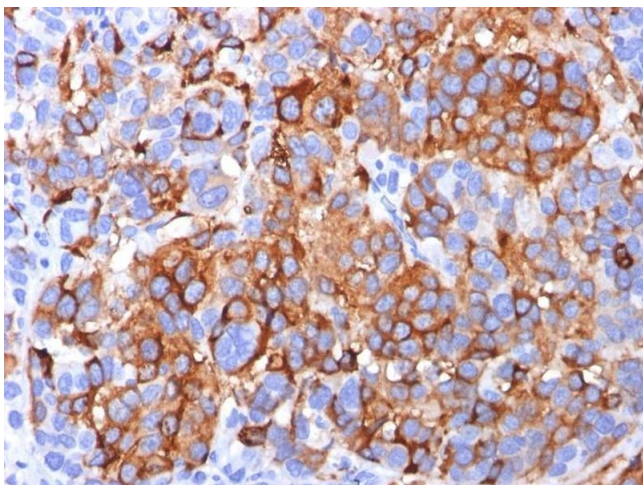
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



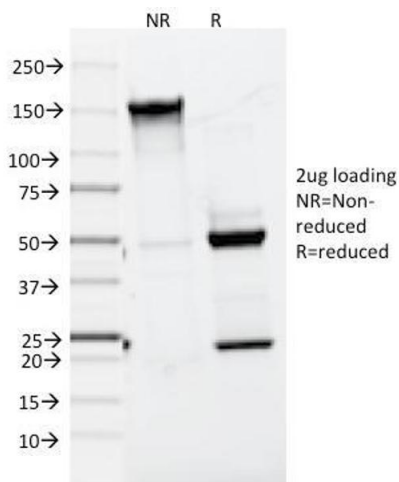
### Western Blotting

**Image 1.** Western Blot Analysis of COLO38 cell lysate using MART-1 / Melan-A Mouse Monoclonal Antibody (A103).



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 / Melan-A Mouse Monoclonal Antibody (A103).



### SDS-PAGE

**Image 3.** SDS-PAGE Analysis Purified MART-1 / Melan-A Mouse Monoclonal Antibody (A103). Confirmation of Integrity and Purity of Antibody.