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## 36-11073: Monoclonal Antibody to Melanoma Marker (MART-1 + gp100 + Tyrosinase)(A103 + HMB45 + T311)

Clonality: Monoclonal

**Clone Name:** A103 + HMB45 + T311

Application: WB,IHC
Reactivity: Human
Gene: MLANA
Gene ID: 2315
Uniprot ID: Q16655
Format: Purified

Alternative Name: MLANA, MART1

**Isotype:** Mouse IgG1, kappa + Mouse IgG2a, kappa + Mouse IgG1, kappa

Immunogen Information: Recombinant hMART-1 protein (A103); Recombinant tyrosinase protein (T311); Extract of

pigmented melanoma metastases from lymph nodes (HMB45)

## **Description**

This antibody cocktail recognizes three melanoma-specific proteins, which include MART-1, Tyrosinase and gp100. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. The function of gp100 is not known but it is reported to be a useful marker for melanocytes and melanomas. This cocktail of three markers is designed for extremely sensitive labeling of formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

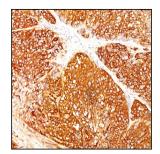
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western Blot (2-4ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Melanoma stained with Melanoma Marker Monoclonal Antibody (A103 + T311 + HMB45).