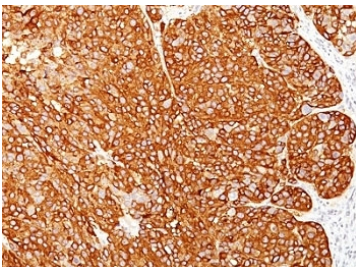


## Melanoma Cell Marker Antibody Cocktail [clone M2-7C10 + M2-9E3 + HMB45 + T311] (V3157)

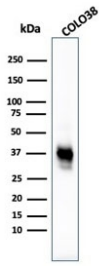
Catalog No.	Formulation	Size
V3157-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3157-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3157SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3157IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1 + IgG2a + IgG2b + IgG2b
<b>Clone Name</b>	M2-7C10 + M2-9E3 + HMB45 + T311
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q16655 (Melan-A), P14679 (Tyrosinase), P40967 (gp100)
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Melanoma Cell Marker Antibody Cocktail is available for research use only.



Melanoma Cell Marker Antibody Cocktail Immunohistochemistry. IHC: Formalin-fixed, paraffin-embedded human melanoma stained with melanoma Marker antibody cocktail (M2-7C10 + M2-9E3 + T311 + HMB45).



Melanoma Cell Marker Antibody Cocktail WB. Western blot testing of human COLO-38 cell lysate with Melanoma Cell Marker antibody cocktail (clones M2-7C10 + M2-9E3 + HMB45 + T311).

## Description

Melanoma Cell Marker 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. 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.

Explore our [Melan-A Antibody / Melanocyte Lineage Marker clone A103 page](#) for additional validation data and research applications involving melanoma biology, melanocytic tumor identification, and pigment cell differentiation pathways.

## Application Notes

The optimal dilution of the Melanoma Cell Marker Antibody Cocktail for each application should be determined by the researcher.

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 MART-1 protein (M2-7C10 & M2-9E3), recombinant tyrosinase protein (T311) and extract of pigmented melanoma metastases from lymph nodes (HMB45) were used as the immunogens for this Melanoma Cell Marker antibody cocktail.

## Storage

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

