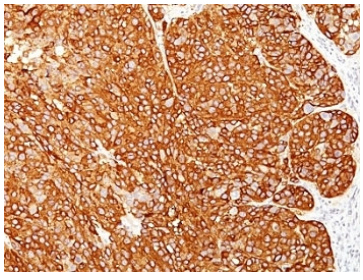
Melanoma Cell Marker Antibody Cocktail [clone M2-7C10 + M2-9E3 + HMB45 + T311] (V3157)

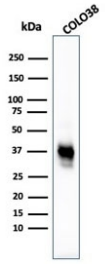
Catalog No.	Formulation	Size
V3157-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3157-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3157SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3157IHC-7ML	Prediluted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

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



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



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

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. 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.

Application Notes

The optimal dilution of the Melanoma Cell Marker antibody 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).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com