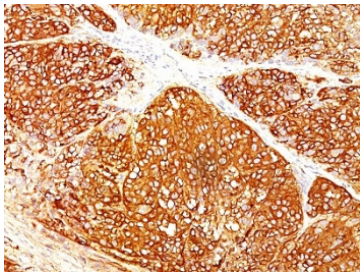
Melanoma Marker Antibody Cocktail [clone A103 + HMB45 + T311] (V7396)

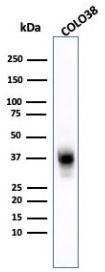
Catalog No.	Formulation	Size
V7396-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7396-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7396SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7396IHC-7ML	Prediluted 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
Clone Name	A103 + HMB45 + T311
Purity	Protein G affinity chromatography
UniProt	Q16655 (Melan-A), P14679 (Tyrosinase), P40967 (gp100)
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 1-2ug/ml
Limitations	This Melanoma Marker antibody cocktail is available for research use only.



IHC staining of FFPE human melanoma with Melanoma Marker antibody cocktail (A103 + T311 + HMB45). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Western blot testing of human COLO-38 cell lysate with Melanoma Marker antibody cocktail (clones A103 + HMB45 + T311).

Description

This Melanoma Marker Antibody Cocktail specifically detects 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 Marker antibody for each application should be determined by the researcher.

1. 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 (A103), recombinant tyrosinase protein (T311) and extract of pigmented melanoma metastases from lymph nodes (HMB45) were used as the immunogens for this Melanoma 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).

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