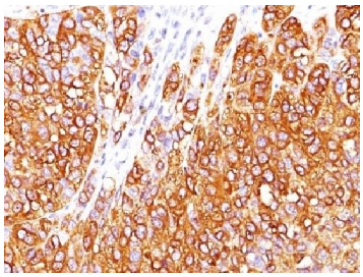
MART-1 Antibody [clone M2-7C10] (V2116)

Catalog No.	Formulation	Size
V2116-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2116-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2116SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2116IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

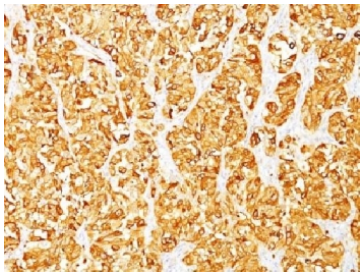
Citations (7)

Bulk quote request

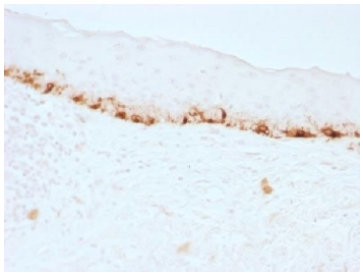
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, lambda
Clone Name	M2-7C10
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	2315
Localization	Cytoplasmic
Applications	Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This MART-1 Antibody Clone M2-7C10 is available for research use only.



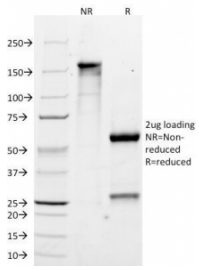
MART-1 Antibody Clone M2-7C10 Melanoma Immunohistochemistry. IHC testing of FFPE human melanoma stained with MART-1 antibody (clone M2-7C10). Note cytoplasmic staining of cells. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



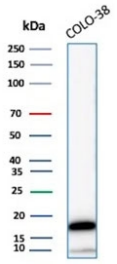
MART-1 Antibody Clone M2-7C10 Human Melanoma Tissue Immunohistochemistry. IHC testing of FFPE human melanoma stained with MART-1 antibody (clone M2-7C10). Note cytoplasmic staining of cells. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



MART-1 Antibody Clone M2-7C10 Human Skin Tissue Immunohistochemistry. IHC testing of FFPE human skin stained with MART-1 antibody (clone M2-7C10). Note cytoplasmic staining of cells. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free MART-1 Antibody (clone M2-7C10). Confirmation of Integrity and Purity of the Antibody.



MART-1 Antibody Clone M2-7C10 WB. Western blot testing of human COLO-38 cell lysate with MART-1 antibody (clone M2-7C10). Expected molecular weight ~20 kDa.

Description

MART-1 Antibody Clone M2-7C10 recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 is a melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. There are seven other melanoma associated antigens recognized by autologous cytotoxic T cells: 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 MART-1 antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. The antibody does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

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 concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the MART-1 Antibody Clone M2-7C10 to be titered up or down for optimal performance.

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 human MART-1 protein was used as the immunogen for this antibody.

Storage

Store the MART-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Antigen LB39-AA, Antigen SK29-AA, Melanoma antigen recognized by T-cells 1, MLAN-A antibody, MLANA antibody, MART-1 antibody, Melan-A antibody

References (2)