

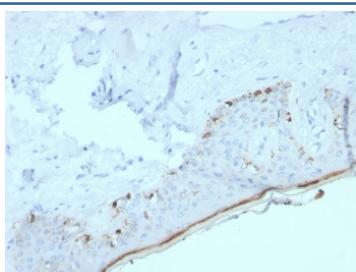
## Recombinant MART-1 Antibody / Melan-A [clone MLANA/4385R] (V8729)

| Catalog No.    | Formulation  | Size   |
|----------------|--|--------|
| V8729-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8729-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V8729SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

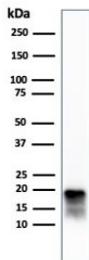
Recombinant **RABBIT MONOCLONAL**

**Bulk quote request**

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Host</b>               | Rabbit   |
| <b>Clonality</b>          | Recombinant Rabbit Monoclonal  |
| <b>Isotype</b>            | Rabbit IgG   |
| <b>Clone Name</b>         | MLANA/4385R  |
| <b>Purity</b>             | Protein A affinity chromatography  |
| <b>UniProt</b>            | Q16655   |
| <b>Localization</b>       | Cytoplasmic  |
| <b>Applications</b>       | Western Blot : 2-4ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT |
| <b>Limitations</b>        | This recombinant MART-1 antibody is available for research use only.                   |



IHC staining of FFPE human skin with recombinant MART-1 antibody (clone MLANA/4385R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human COLO-38 cell lysate with recombinant MART-1 antibody (clone MLANA/4385R). Expected molecular weight ~20 kDa with possible doublet.

## Description

This antibody 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. Seven other melanoma associated antigens recognized by autologous cytotoxic T cells include 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 MAb labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

## Application Notes

Optimal dilution of the recombinant MART-1 antibody should be determined by the researcher.

## Immunogen

A recombinant fragment corresponding to the N-terminus of human Melan A was used as the immunogen for the recombinant MART-1 antibody.

## Storage

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