

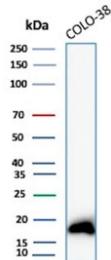
MART-1 Antibody / Melan-A [clone rMLANA/8180] (V5283)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V5283-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5283-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5283SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

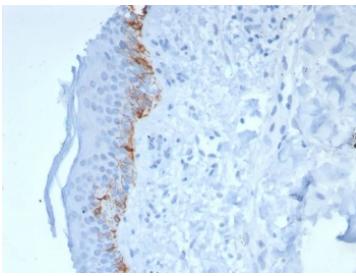
Recombinant **MOUSE MONOCLONAL**

Bulk quote request

| | |
|--------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Recombinant Mouse Monoclonal |
| Isotype | Mouse IgG1, kappa |
| Clone Name | rMLANA/8180 |
| Purity | Protein A/G affinity |
| UniProt | Q16655 |
| Localization | Cytoplasm |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml |
| Limitations | This MART-1 antibody is available for research use only. |



Western blot testing of human COLO-38 cell lysate with MART-1 antibody. Expected molecular weight ~20 kDa with possible doublet.



IHC staining of FFPE human skin tissue with MART-1 antibody (clone rMLANA/8180).
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 newly identified 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 MART-1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the MART-1 antibody.

Storage

Aliquot the MART-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.