



Mouse anti Melan-A Monoclonal Antibody

Alternative Name(s): MART-1

Order Information

- **Description:** Melan-A/MART-1
- **Catalogue:** 603-920
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** A103
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide from C-term of human MART-1 protein

BACKGROUND

Melanocyte lineage-specific protein (MART-1; melanoma antigen recognized by T cells 1) is a widely shared melanoma antigen recognized by the T lymphocytes of patients with established malignancy. This 18 kD transmembrane protein is expressed in most melanoma tumor samples and, among normal cells in melanocytes. It is a useful marker for melanocytic tumors however it is normally found in benign nevi as well. Antibodies against the antigen are used to recognize cells of melanocytic differentiation. MART-1 antibody is a superior immunohistochemical marker for the diagnosis of malignant melanoma.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Melan-A/MART-1 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 18.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

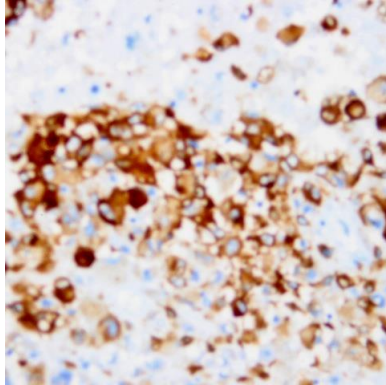
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Melanoma (FFPE) stained with Mouse anti-Melan A (Cat# 603-920) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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