Melan-A / MART-1

Catalog # 10133.05 or .10 (0.5 ml or 1.0 ml concentrated)
Catalog # 10133.50 (5 ml ready to use)

INTENDED USE

- ***In Vitro:*** This product is intended for qualitative immunohistochemistry with normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be viewed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers.
- ***Description:*** This antibody recognizes a protein doublet of 20-22 kDa, 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. MART-1 is present in melanosomes and endoplasmic reticulum. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
- ***Expected Staining Pattern:*** Cytoplasmic
- ***Positive Control:*** Melanocyte

MATERIALS PROVIDED

- ***Melan-A / MART-1 specific mouse monoclonal antibody:*** #10133, tissue culture supernatant, concentrated, with 0.09% sodium azide.
- ***Host:*** Mouse
- ***Epitope:*** Not determined.
- ***Species Reactivity:*** Human, mouse, rat, dog. Others-not tested.
- ***Clone:*** A103
- ***Ig Isotype / Light Chain:*** IgG1 / Kappa
- ***Immunogen:*** Recombinant hMART-1 protein
- ***Sterility:*** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED

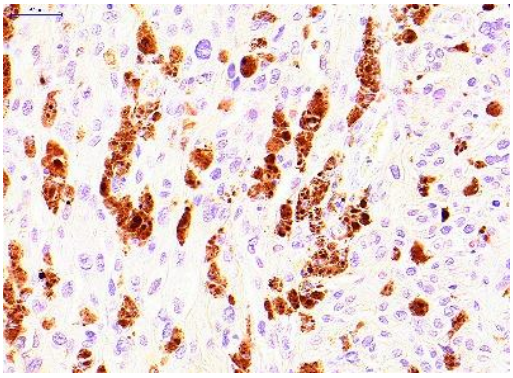
- Detection system
- Chromogen/substrate system

METHODS AND PROCEDURES

- ***Tissue Section Pretreatment:*** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- ***Recommended Pretreatment:***
  HISTOLS®-Citrate Buffer (cat#30010)
  HISTOLS®-Peroxidase Blocking Solution (cat# 30013)
  HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012)
- ***Dilution of Concentrated Antibody:*** 1:100 in antibody diluent (for informational purposes only), exact dilution must be determined by user.
- ***Primary Antibody Incubation Time:*** 60 minutes at RT.
- ***Recommended Detection System:***
  HISTOLS®-MR (anti- mouse & rabbit Ig) (cat# 30011)
- ***Visualization:*** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

STORAGE AND STABILITY

This product contains sodium azide and is stable when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.



Melan-A / MART-1, melanoma

For Research Use Only