MART-1 / Melan-A / MLANA (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone MSVA-901M+]

Catalog No	Format	Size
2315-MSM25-P0	Purified Ab with BSA and Azide	20 ug
2315-MSM25-P1	Purified Ab with BSA and Azide	100 ug

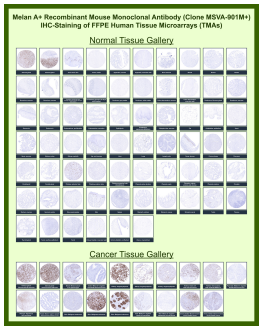
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:50-1:100	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:75 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-901M+
Immunogen	Recombinant hMART-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	20-22kDa (doublet)
Cellular Localization	Endoplasmic reticulum membrane, Golgi apparatus, Melanosome, trans-Golgi network membrane
Species Reactivity	Human
Positive Control	Skin: Virtually all melanocytes should show a strong Melan A+ immunostaining including a weak to moderate staining in melanocytic dendrites. Adrenal gland: An at least moderate Melan A+ immunostaining should be seen in adrenocortical cells.

**Optimal dilution for a specific application should be determined.*

Product Images for MART-1 / Melan-A / MLANA (Melanoma Marker) Antibody



Melanoma antigen recognized by T-cells 1 Mouse Recombinant Monoclonal Antibody (MSVA-901M+) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

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.

Supplied As

Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.