

For Research Use Only

Melan-A Monoclonal antibody

Catalog Number: 60348-1-Ig **1 Publications**



Basic Information

| | | |
|--|--|---|
| Catalog Number: 60348-1-Ig | GenBank Accession Number: BC014423 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 4300 ug/ml by Nanodrop and 2000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 2315 | CloneNo.: 4F10D6 |
| Source: Mouse | UNIPROT ID: Q16655 | Recommended Dilutions: IHC 1:2000-1:8000 |
| Isotype: IgG2a | Full Name: melan-A | |
| Immunogen Catalog Number: AG13387 | Calculated MW: 13 kDa | |

Applications

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|--|---|
| Tested Applications: IHC, ELISA | Positive Controls: IHC : human malignant melanoma tissue, human lung tissue |
| Cited Applications: IF | |
| Species Specificity: human | |
| Cited Species: human | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

Melan-A is a melanocyte differentiation antigen, recognized by autologous cytotoxic T lymphocytes. Melan-A is also called MART-1 (melanoma antigen recognized by T cells). The Melan-A/MART-1 gene encodes this protein, 20-22 kDa, associated with endoplasmic reticulum and melanosomes. The function of the protein is unknown. Melan-A, isolated as a melanoma-specific antigen, is a transmembrane protein, which is expressed in skin, retina and the majority of cultured melanocytes as well as in melanomas. Melan A is expressed in more than 85% of melanomas.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|----------------------|-------------|
| Chaoji Shi | 35666052 | Cancer Commun (Lond) | IF |

Storage

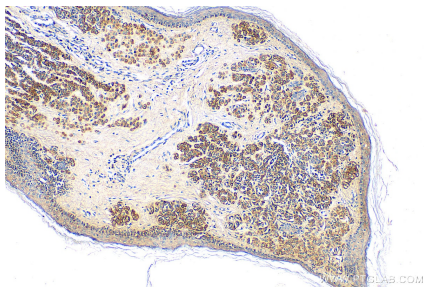
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

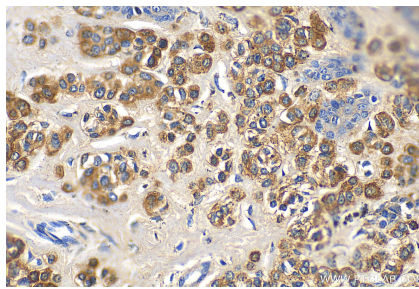
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 60348-1-Ig (Melan-A antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 60348-1-Ig (Melan-A antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).