

For Research Use Only

Melan-A Monoclonal antibody

Catalog Number: 60348-1-Ig **2 Publications**



Basic Information

Catalog Number: 60348-1-Ig	GenBank Accession Number: BC014423	Purification Method: Protein A purification
Concentration: 2000 µg/ml	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

Tested Applications: IHC, ELISA	Positive Controls:
Cited Applications: IF	IHC : human malignant melanoma tissue, human lung tissue
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
Jing Zhu	39921788	Inflammation	IF

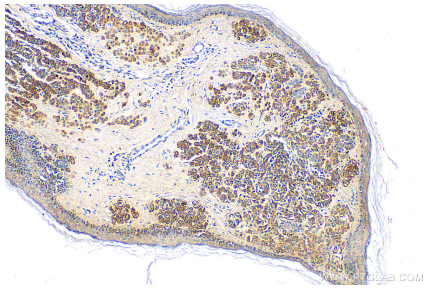
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

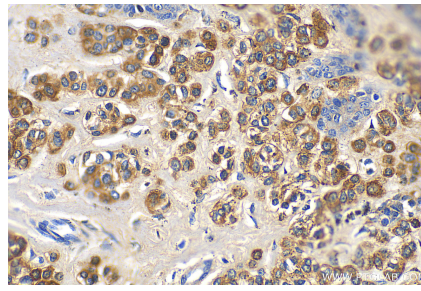
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Selected Validation Data



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).