

For Research Use Only

# Melan-A Monoclonal antibody

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



## Basic Information

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

## Applications

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

## 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

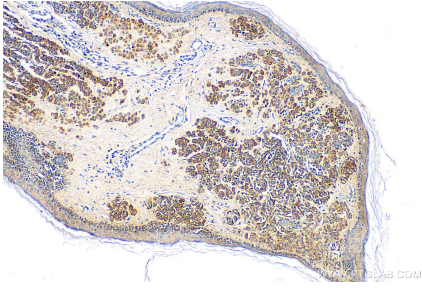
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

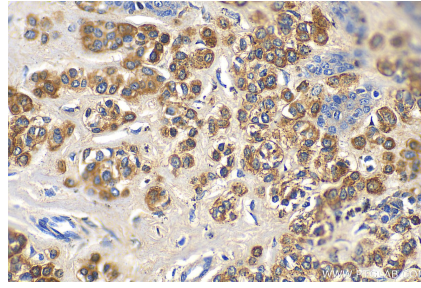
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



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).