

Biotin-conjugated Melan-A Recombinant monoclonal antibody

Catalog Number: Biotin-87351-4

Basic Information

Catalog Number: Biotin-87351-4	GenBank Accession Number: BC014423	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2315	CloneNo.: 252647C9
Isotype: IgG	UNIPROT ID: Q16655	Recommended Dilutions: IHC: 1:50-1:500
Immunogen Catalog Number: AG13346	Full Name: melan-A	
	Calculated MW: 13 kDa	
	Observed MW: 13-20 kDa	

Applications

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

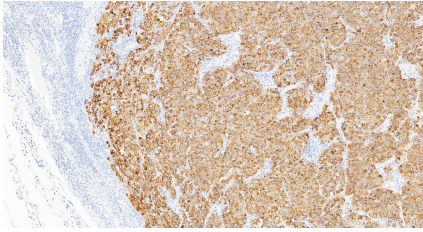
Background Information

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.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using Biotin-87351-4 (Melan-A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).