

For Research Use Only

# CoraLite® Plus 488-conjugated Melan-A Recombinant monoclonal antibody

Catalog Number: CL488-87351-4



## Basic Information

|                                                                |                                              |                                                                   |
|----------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b>Catalog Number:</b><br>CL488-87351-4                        | <b>GenBank Accession Number:</b><br>BC014423 | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>2315                | <b>CloneNo.:</b><br>252647C9                                      |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q16655                 | <b>Recommended Dilutions:</b><br>IF/ICC: 1:50-1:500               |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>melan-A                 | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG13346                    | <b>Calculated MW:</b><br>13 kDa              |                                                                   |
|                                                                | <b>Observed MW:</b><br>13-20 kDa             |                                                                   |

## Applications

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| <b>Tested Applications:</b><br>IF/ICC | <b>Positive Controls:</b><br>IF/ICC : SK-MEL-28 cells, |
| <b>Species Specificity:</b><br>human  |                                                        |

## 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

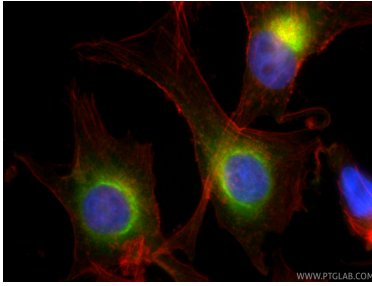
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SK-MEL-28 cells using CoraLite® Plus 488 Melan-A antibody (CL488-87351-4, Clone: 252647C9 ) at dilution of 1:200, CL594-phalloidin (red).