



## Datasheet for ABIN6157214 anti-Melanoma Marker antibody



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### 1 Image

#### Overview

|              |                                                     |
|--------------|-----------------------------------------------------|
| Quantity:    | 50 µL                                               |
| Target:      | Melanoma Marker                                     |
| Reactivity:  | Human, Dog, Mouse                                   |
| Host:        | Mouse                                               |
| Clonality:   | Monoclonal                                          |
| Conjugate:   | This Melanoma Marker antibody is un-conjugated      |
| Application: | Immunohistochemistry (IHC), Immunofluorescence (IF) |

#### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Mouse Monoclonal anti-Melanoma Marker (PNL2), Purified, BSA-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen:       | Melanocyte antigen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clone:           | PNL2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:         | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Characteristics: | Anti-PNL2 is a novel monoclonal antibody, which has recently been introduced as an immunohistochemical reagent to stain melanocytes and tumors derived therefrom. The antigen recognized by PNL2 is different from Melan A and gp100. Its epitope is not destroyed by digestion with neuraminidase i.e. its epitope is not glycosylated. Anti-PNL2 may be most useful because of its high sensitivity for metastatic melanoma (87 %), as opposed to 76 % for anti-HMB45 and 82 % for anti-MART-1. Anti-PNL2 labels intra-epidermal nevi while the dermal component of compound nevi are largely non-reactive with anti-PNL2. Antibodies against PNL2, MART-1 (Melan A) and HMB45 stain most clear cell sarcoma cells and a few cells in angio- |

## Product Details

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myolipomas and lymphangioliomyomatosis. Anti-PNL2 is a useful antibody for the identification of melanomas and clear cell sarcomas. Differential diagnosis is aided by the results from a panel of antibodies, including antibodies against HMB45, MART-1, tyrosinase, and MiTF. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the < a href="https://biotium.com/wp-content/uploads/2013/07/CF-dye-selection-guide.pdf" target="\_blank" rel="noopener">CF® Dye Selection Guide for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Purification: Purified

## Target Details

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Target: Melanoma Marker

Abstract: [Melanoma Marker Products](#)

Background: Human Melanoma Associated Antigen, PNL2

Molecular Weight: Multiple (160 kDa, 100 kDa and <10 kDa)

## Application Details

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Application Notes: Immunohistology (formalin)

- Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes
- Immunofluorescence 0.5-1 µg/mL
- Optimal dilution for a specific application should be determined by user

Comment: Melanoma

Restrictions: For Research Use only

## Handling

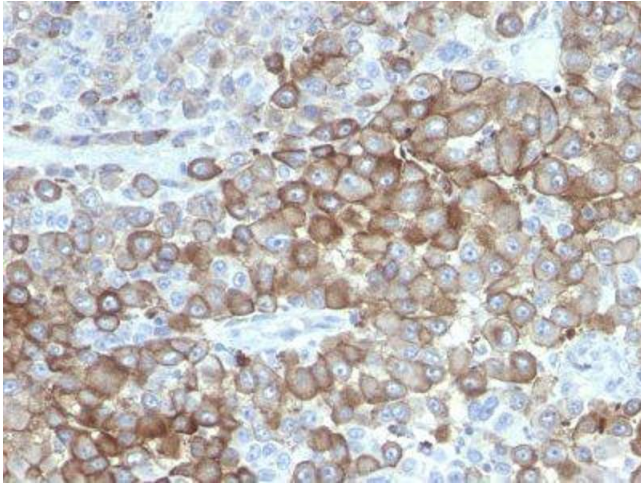
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Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS (no BSA, no azide)

Preservative: Azide free



**Image 1.**