



Category: [Monoclonal Antibodies](#) **Cat. #** V1020-2 **Product Name:** **Melanoma (Pan) – purified**

Description:

This antibody reacts with an antigen present in melanoma cells. This antibody reacts with melanomas and tumors showing melanoma/melanocytic differentiation. It reacts with junctional and blue nevus cells. Non-melanocytic cells do not react with this antibody.

Immunogen:

The extract of pigmented melanoma metastases from lymph nodes.

Cellular Localization:

Cytoplasmic.

Application:

Immunohistochemistry (Paraffin/Frozen), Western Blot.

Species Reactivity:

Human. Others not tested.

Presentation:

20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Staining Procedure:

This antibody can be used on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

Storage:

Refrigerate at 4°C. Do not freeze.

Size: 0.2mg

Clone: [U239](#)

Isotype: IgG1

Host: Mouse

Form: purified

Concentration: 0.5 mg/ml

Units On Hand: YES

References:

1. Kapur RP, et al. Anti-melanoma monoclonal antibody [HMB45](#) identified an oncofetal glycoconjugate associated with immature melanosomes. *J Histochem Cytochem* 40(2):207, 1992.
2. Ordonez NG, et al. Comparison of [HMB45](#) monoclonal antibody and S-100 protein in the immunohistochemical diagnosis of melanoma. *Amer J Clin Pathol* 90: 385, 1988.
3. Leong AS-Y, Millos J. An assessment of a melanoma-specific antibody (HMB-45) and other immunohistochemical markers of malignant melanoma in paraffin-embedded tissues. *Surg Pathol* 2: 137, 1989.

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