

## Mouse Monoclonal anti-Melanosome, Clone HMB45

60-0042; 60-0042-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0042; 61-0042-2; 61-0042-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

### Intended Use

For In Vitro Diagnostic Use.

This product is intended for laboratory use to qualitatively detect Active Melanosome by light microscopy in normal and neoplastic formalin fixed paraffin embedded tissue sections using immunohistochemical (IHC) methodology. Interpretation of any positive or negative staining shall be supported by a proper control and must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

This antibody labels immature melanosomes in normal and pathological tissues. Thus the antibody labels fetal and neonatal melanocyte and junctional nevi. Intra-dermal nevi and normal resting adult melanocytes are negative. Positive staining does not provide distinction between benign and malignant melanocytic proliferation.

This antibody may be useful for the identification of melanoma and other tumors showing melanocytic differentiation. Differential identification is aided by the results from a panel of antibodies. In general, tumors of epithelial, lymphoid, glial, and mesenchymal origin are negative.

### Reagent provided

This antibody is purified immunoglobulin diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN<sub>3</sub>) as antimicrobial agent.

### Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN<sub>3</sub> may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

### Usage

#### Dilution

60-0042; 60-0042-7: Ready-To-Use

61-0042; 61-0042-2; 61-0042-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

#### Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

#### Positive control tissue

Melanoma

#### Epitope retrieval

Not Required

#### Staining pattern

Cytoplasmic

### Storage

Store at 2-8°C.

### References

1. Gown AM, et al. Am J Pathol. 1986 May;123(2):195-203.
2. Kapur RP, et al. J Histochem Cytochem. 1992 Feb;40(2):207-12.
3. Esclamado RM, et al. Am J Surg. 1986 Oct;152(4):376-85

### Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

