HISTOPRIME®
A BIOZOL BRAND

Product Datasheet

HISTOPRIME®

CatNo E050

Lot: See Label
Storage: +2 to +8 °C
Exp. Date: See Label

Melanoma associated antigen HMB45

Monoclonal Antibody against Melanoma associated antigen

Specificity

Using monoclonal antibodies, it is possible to identify numerous melanoma-associated antigens. These are expressed on malignant melanomas and their metastases. The antigens themselves have been poorly defined to date.

The melanoma marker HMB45 is expressed by malignant melanomas, reactivated melanocytes, junctional and blue nevus cells, regardless of the degree of pigmentation. Normal melanocytes and other neoplasms are not detected by this maker.

Contents

Reagents sufficient for about 50-100 tissue sections
1 dropper bottle **HISTOPRIME® Melanoma** (Bottle, 5 ml)

Application

Most melanomas are stained by this antibody. In contrast, epithelial, lymphoid or glial tumor cells are negative. The monoclonal antibody also reacts with antigen on fetal and neonatal melanocytes.

Fusion Partners

The monoclonal antibody was obtained from culture supernatant of mouse hybridoma cells.

E050-230109-1/2

Manufacturer
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FIT FOR SCIENCE

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Characterization

Antigen	Melanoma-associated antigen
Specificity	Melanoma, junctional nevi, embryonic melanocytes.
Clone	HMB45
Isotype	Mouse IgG1
Pretreatment	Proteolytic pretreatment with 0.1% pronase (LINARIS CatNo E110) for 10 minutes at room temperature.
Incubation Period	1 hour by room temperature
Control Tissue	Melanoma
Application	Ready-to-use in PBS, BSA, NaN_3 (0.09%) pH 7.4(*) suitable on cryostat sections and on formalin-fixed, paraffin-embedded tissue sections.
Recommended Secondary Reagents	**Alkaline Phosphatase** Vectastain® ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector® Red (Vector CatNo SK-5100). **Peroxidase** Vectastain® ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).

References

1. Gown, A. M. et al. Monoclonal antibody spezific for melanocytic turmors distinguish subpopulations of melanocytes. Am. J. Pathol. 90, 385 (1988)
2. Ordonez, N. G. et al. Comparison of HMB45 monoclonal antibody and S-100 protein in the immunohistochemical dignosis of melanoma. Am. J. Clin. Pathol. 90, 385 (1988)
3. Wick M. R., et al. Immunohistochemical diagnosis of sinonasal melanoma , carcionma, and neuroblastoma with monoclonal antibodies HMB45 and anti-synaptophysin. Arch. Path. Lab. Med. 112, 616 (1988)

Differential identification is aided by the results from a panel of antibodies. Interpretation must be made within the context of the patient's clinical history and other diagnostics tests by a qualified pathologist.

(*)Note **E050 contains Sodium Azide; take adequate precautions!**

E050-230109-2/2

For Research use only. Not for use in diagnostic procedure

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