



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Melanoma; Clone HMB45

(Ready-To-Use)

Availability/Contents:	<u>Item #</u>	<u>Volume</u>
	A00019-0002	2 ml
	A00019-0007	7 ml
	A00019-0025	25 ml


Description:

Species: Mouse
 Immunogen: BALB/C mice were injected with extract of pigmented melanoma metastases from lymph nodes.
 Clone: HMB45
 Isotype: Mouse IgG1/ Kappa
 Format: This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
 Specificity: HMB45 has been shown to be a very specific marker for melanomas.

Background: HMB45 is a mouse monoclonal antibody that reacts against an antigen present in melanocytic tumors such as melanomas. It reacts positively against melanocytic tumors but not other tumors, thus signifying specificity and sensitivity. HMB45 is generally thought of as a melanoma specific antibody; however, there are certain exceptions. The antibody also reacts positively against junctional nevus cells but not intra-dermal nevi and against fetal melanocytes but not normal adult melanocytes. The expression of the HMB45 antigen indicates active melanosome formation and thus melanocytic differentiation. It is also expressed in normal fetal melanocytes, but not in normal resting adult melanocytes, regardless of the degree of pigmentation. Upon activation, adult melanocytes can re-express the HMB45-defined antigen (as it is expressed in fetal melanocytes). Such melanocytes are activated by a variety of stimuli. For example, HMB45 positive cells have been detected in tissue overlying or adjacent to granulation tissue, hemangiomas, vessel-rich tumor stroma, and basal cell carcinoma. Hair follicles stain occasionally due to associated stimulated melanocytes. Positive HMB45 staining has not been observed with melanocytes in lentiginos or overlying fibroblastic proliferations such as keloids, dermatofibromas and old fibrotic hemangiomas. Non-melanocytic normal tissues do not react with the HMB45 antibody.

Species Reactivity: Human. Does not react with dog and rat.
 Positive Control: Human Melanoma
 Titer/Working dilution: No further titration is required.
 Cellular Localization: Cytoplasmic
 Microbiological State: This product is not sterile.

Storage: 2° C  8° C



ScyTek Laboratories, Inc.
 205 South 600 West
 Logan, UT 84321
 U.S.A.



 EmergoEurope (31)(0) 70 345-8570
 Molsnstraat 15
 2513 BH Hague, The Netherlands

Instructions For Use

A00019-IFU-RUO

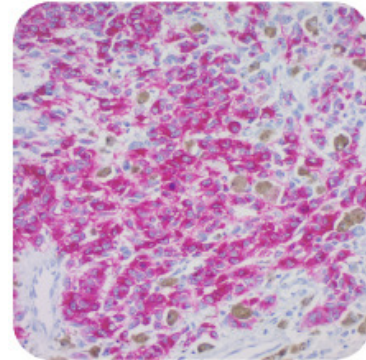
Rev. Date: Dec. 8, 2013

Revision: 3

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Use caution when handling reagents.
 Non-Sterile.



Human Melanoma stained with Ultra-Tek Alk-Phos and Permanent Red Chromogen.

Ordering Information and Current Pricing at www.scytek.com


Procedure:


1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


References:

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2. Kapur RP, Bigler SA, Skelly M, Gown AM. Anti-melanoma monoclonal antibody HMB45 identifies an oncofetal glycoconjugate associated with immature melanosomes. *J Histochem Cytochem* 1992;40(2):207-12.
3. Esclamado RM, Gown AM, Vogel AM. Unique proteins defined by monoclonal antibodies specific for human melanoma. *Amer J Surg* 1986;152(4):376-85.
4. Gown AM, Vogel AM. Monoclonal antibodies to intermediate filament proteins of human cells: Unique and cross-reacting antibodies. *J Cell Biol*. 1982;95(2 Pt 1):414-24.
5. Colombari R, Bonetti F, Zamboni G, Scarpa A, Marino F, Tomezzoli A, Capelli P, Menestrina F, Chilosi M, Fiore-Donati L. Distribution of melanoma specific antibody (HMB-45) in benign and malignant melanocytic tumors. *Virch Arch A Pathol Anat* 1988;413(1):17-24.

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
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