9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

10-11559: Mouse Monoclonal Antibody to Melanoma, Pan(Clone: HMB45+A103+T311)(Discontinued)

Clonality :	Monoclonal
Clone Name :	HMB45+A103+T311
Application :	IHC
Reactivity :	Human
Gene :	MLANA
Gene ID :	2315
Uniprot ID :	Q16655
Format :	T.C. Sup.
Alternative Name :	Antigen LB39-AA, Antigen SK29-AA, Protein Melan-A, MART1
Isotype :	HMB45 and A103,Mouse IgG1; T311, Mouse IgG2a
Immunogen Information :	Pigmented melanoma metastases from lymph nodes (HMB45). Recombinant human MART-1 protein (A103). Recombinant tyrosinase protein T311.

Description

The HMB45 clone reacts with a neuraminidase-sensitive oligosaccharide side chain of a glycoconjugate present in immature melanosomes. The HMB45-reactive antigen is present in cutaneous melanocytes, prenatal and infantile retinal pigment epithelium and melanoma cells and is thought to be oncofetal in nature. This antibody has been shown to label the majority of melanomas. Clone A103 recognizes a protein of 20 kDa, identified as MART-1 (melanoma antigen recognized by T cells-1) or Melan-A. Melan-A is a useful addition to melanoma panels as it is apparently specific for melanocytic lesions. Studies have also shown that MART-1 is more sensitive than HMB45 when labeling metastatic melanomas. Tyrosinase is a key enzyme involved in the initial stages of melanin biosynthesis. Studies have shown tyrosinase to be a more sensitive marker when compared to HMB45 and MART-1. It has been shown to label a higher percentage of desmoplastic melanomas than HMB45. The combination of HMB45, MART-1 and tyrosinase make this triple antibody cocktail a first-order pan melanoma screener.

Product Info

Amount :	0.5 ml
Content :	This antibody is supplied as tissue culture supernatant containing sodium azide as preservative.
Storage condition :	Store at 2-8°C.

Application Note

IHC : 1:25-1:50

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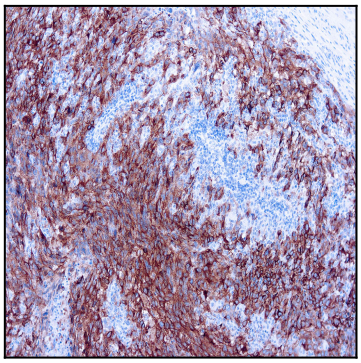

Figure 1 : Formalin fixed paraffin embedded human melanoma stained with Melanoma cocktail (10-11559).