Datasheet

Mouse mAb to **Pmel17/gp100**
Clone **EBS-O-147**
Isotype **IgG2b-κ**

Source

A BALB/c mouse was immunized with fresh metatstatic melanotic melanoma cell membranes.
Fusion partner: SP-2/0.

Specifications

EBS-O-147 recognizes an intracellular antigen (innerside of the membrane of melanosomes in cultured cells) of 90-100 kDa in cells of the melanocyte lineage (gp100 as well as related pMel17). It is positive with skin melanomas, choroidal melanomas, uveal melanomas, melanoma metastases, skin melanocytes, common and dysplastic nevi, negative with all other tumors and normal tissues also with intradermal nevi and normal adult melanocytes.

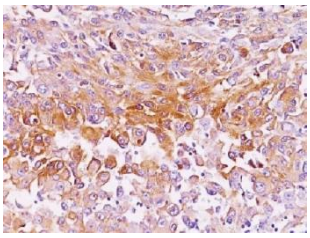

Figure 1: Human melanoma stained with EBS-O-147 (paraffin)

Species reactivity

Positive: Human, Horse.
Negative: Rat.

Applications

Demonstration of gp100/Pmel17 in frozen and paraffin sections and in immunofluorescence.

Frozen sections	Immunofluorescence	Paraffin sections
+	+	Citrate

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.
Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Immunofluorescence on fixed cells (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

SK-MEL-28 or melanoma.

References

Vennegoor C et al, *Am J Pathol* **130**: 179-192 (1989).
Van der Pol JP et al, *Curr Eye Res* **6**: 757-765 (1987).
Adema GJ et al, *B J Cancer* **73(9)**: 1044-8 (1996).