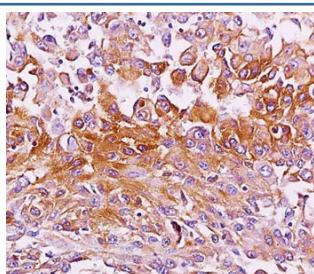


## Melanoma Antibody / gp100 / PMEL17 [clone NKI-beteb] (V2254)

Catalog No.	Formulation	Size
V2254-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2254-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2254SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

 [Citations \(5\)](#)
[Bulk quote request](#)

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	NKI-beteb
Purity	Protein G affinity chromatography
Gene ID	6490
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This <b>Melanoma gp100 antibody</b> is available for research use only.

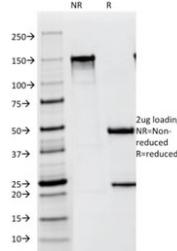


IHC testing of melanoma tissue stained with Melanoma antibody (NKI-beteb). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Melanoma antibody (clone NKI-beteb). These results demonstrate the foremost specificity of the NKI-beteb mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Melanoma antibody (clone NKI-beteb) as confirmation of integrity and purity.

## Description

By immunohistochemistry, this melanoma gp100 antibody specifically recognizes a protein in melanocytes and melanomas. It reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. The melanoma antibody labels formalin/paraffin melanomas and other tumors showing melanocytic differentiation.

## Application Notes

Differences in protocols and secondaries may require the gp100 antibody to be titrated up or down for optimal performance.

## Immunogen

Membranes from a human melanoma metastasis were used as the immunogen for this Melanoma antibody (gp100).

## Storage

Store the Melanoma antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## References (1)