gp100 / Melanosome / PMEL17 / SILV (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone NKI-beteb]

Catalog No	Format	Size
6490-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6490-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6490-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

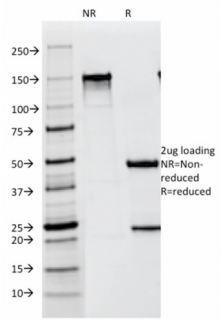
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

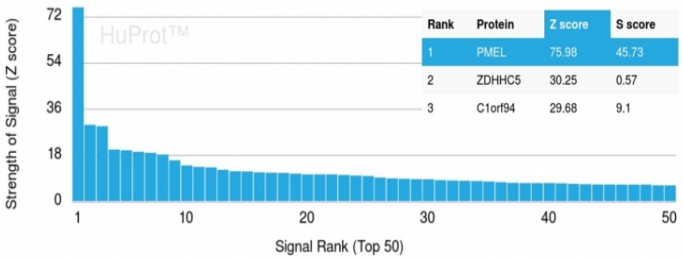
Clone	NKI-beteb
Gene Name	PMEL
Immunogen	Membranes from a human melanoma metastasis
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	90-100kDa
Cellular Localization	Endoplasmic reticulum membrane, Endosome, Golgi apparatus, Melanosome, Multivesicular body, Secreted
Species Reactivity	Horse, Human
Positive Control	SK-MEL-28 cells. Melanoma.

**Optimal dilution for a specific application should be determined.*

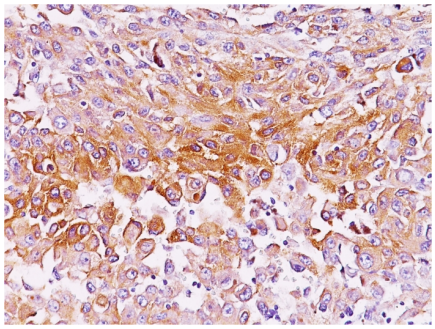
Product Images for gp100 / Melanosome / PMEL17 / SILV (Melanoma Marker) Antibody



SDS-PAGE Analysis of Purified gp100 / Melanosome Mouse Monoclonal Antibody (NKI-beteb). Confirmation of Integrity and Purity of Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing PMEL/gp100 Mouse Monoclonal Antibody (NKI-beteb). Z-Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD,Äôs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD,Äôs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human melanoma stained with gp100 / Melanosome Mouse Monoclonal Antibody (NKI-beteb).

Specificity & Comments

By immunohistochemistry, it specifically recognizes a protein in melanocytes and melanomas. This MAb 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.This Mab labels formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.