

Product datasheet for **AM32144SU-N**

Melanoma (150, 90kDa) Mouse Monoclonal Antibody [Clone ID: NKI-M7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NKI-M7
Applications:	IHC
Recommended Dilution:	Immunofluorescence: Use at 1/5-1/10 in PBS Immunohistochemistry on Frozen Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	<p>This Monoclonal antibody clone <i>NKI-M7</i> recognizes a molecular complex consisting of two bands with MW of 150 kD and 90 kD respectively (reduced 4 subunits 120 kD, 95 kD, 29 kD and 25 kD). The antibody reacts strongly with melanoma cells derived from cell lines and short term cultures and melanoma cells in frozen tissue sections. The antigen detected by this antibody is found to be associated with the adhesion, spreading and motility of human cultured melanoma cells.</p> <p>Cross reactions: The antibody reacts with a proportion of naevi and with endothelial cells of small vessels.</p>
Formulation:	State: Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Malignant melanoma is a malignant neoplasm of melanocytes, arising de novo or from a pre-existing benign nevus, which occurs most often in the skin but may also involve other sites. Malignant melanoma underlies the majority of skin cancer-related deaths. Melanoma originates in melanocytes, the cells which produce the pigment melanin, which colors human skin, hair, and eyes and is heavily concentrated in most moles. Epidemiologic studies suggest that exposure to ultraviolet radiation is one of the major contributors to the development of melanoma. The four most common types of melanoma in the skin are superficial spreading melanomas, which evolve from a precursor lesion (usually a dysplastic nevus); nodular melanomas, the most aggressive form; acral lentiginous melanomas, which are seen on the palms, soles and under the nails; and Lentigo malignas, which consist of malignant cells but do not show invasive growth.

Synonyms:

Melanoma marker