

Hycult biotechnology

MAGEA1, Clone NKI/M6, Human mAb

Catalog No.	HM2129	Quantity:	100 µg
Description:	<p>Melanoma associated antigen (MAA) is dispersed in the cytoplasm of melanoma cells, and is more concentrated inside vacuoles and sometimes on the melanosomes. Occasionally the antigen is seen on the cell surface. The antigen is actively shed from living cells. Although the antigen is associated with melanomas, it is not codistributed with the tyrosinase activity associated with melanogenesis. The antigen shows codistribution with cathepsin D, which is a marker for lysosomal functions. This antibody NKI/M6 recognizes a high molecular weight proteoglycan with a molecular weight of >450 kD (chondroitin sulfate) and 250 kD (core protein). The antibody NKI/M6 reacts with melanoma cells derived from cell lines and short term cultures and reacts preferentially with melanoma cells in frozen sections. NKI/M6 can also be used to detect melanoma lesions <i>in vivo</i>. NKI/M6 shows cross-reactivity with most naevi and perineurium, and shows weak reactivity with hair follicles.</p>		
Concentration:	100 µg/ml		
Specificity:	Human MAGEA1		
Host:	Mouse		
Isotype:	IgG ₁		
Clone:	NKI/M6		
Formulation:	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications	<p>The antibody can be used for immunohistology on frozen sections. For immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.</p>		
Storage & Stability:	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.		
References:	<ol style="list-style-type: none">1. de Vries, J et al; Characterization of melanoma-associated surface antigens involved in the adhesion and motility of human melanoma cells. <i>Int J Cancer</i> 1986, 38:4652. Natali, P et al; Structural properties and tissue distribution of the antigen recognized by the monoclonal antibody 653.40S to human melanoma cells. <i>J Natl Cancer Inst</i> 1981, 67:5913. Buraggi, G et al; Imaging with 131I-labeled monoclonal antibodies to a high-molecular-weight melanoma-associated antigen in patients with melanoma: efficacy of whole immunoglobulin and its F(ab')₂ fragments. <i>Cancer Res</i> 1985, 45:3378		

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HM2131: Monoclonal antibody against Human Carcinoma associated antigen, clone 115D8

HM2130: Monoclonal antibody against Human Melanoma associated antigen, clone NK1/beteb

HM2128: Monoclonal antibody against Human Keratin 7, clone OVLT 12/30

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