

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Melanoma associated antigen, Human, clone NK1/M6		
Catalog number	HM2129-20UG		
Lot number	-	Expiry date	-
Volume	200 µl	Amount	20 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Concentration	100 µg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin	N.A.	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•							
No								
N.D.		•	•	•	•	•	•	•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

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.

General Information

Description 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 NK1/M6 recognizes a high molecular weight proteoglycan with a molecular weight of >450 kD (chondroitin sulfate) and 250 kD (core protein). The antibody NK1/M6 reacts with melanoma cells derived from cell lines and short term cultures and reacts preferentially with melanoma cells in frozen sections. NK1/M6 can also be used to detect melanoma lesions in vivo. NK1/M6 shows cross-reactivity with most naevi and perineurium, and shows weak reactivity with hair follicles.

References

- de Vries, J et al; Characterization of melanoma-associated surface antigens involved in the adhesion and motility of human melanoma cells. *Int J Cancer* 1986, *38*:465
- Natali, P et al; Structural properties and tissue distribution of the antigen recognized by the monoclonal antibody 653.40S to human melanoma cells. *J Natl Cancer Inst* 1981, *67*:591
- 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. *Cancer Res* 1985, *45*:3378

Storage&stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
18/11/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.