

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Melanoma associated antigen, Human, clone NK1/beteb		
Catalog number	HM2130-20UG		
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 IgG2b	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.

- IHC-P: Formalin fixation and embedding in paraffin may affect the reactivity of the antibody.

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. The antibody NK1/beteb recognizes a (pre)melanosomal 100 kD and 7 kD antigen (glycoprotein). The antibody reacts with melanomas, clear cells sarcomas (melanoma of soft tissue), nevocellular nevi, and normal melanocytes. Except for one case of non-Hodgkin's lymphoma in which macrophages were positive, no reactions with other tumors or tissues have been observed.
References	<ol style="list-style-type: none"> 1. Vennegoor, C et al; A monoclonal antibody specific for cells of the melanocyte lineage. Am J Pathol 1988, 130: 179 2. Le Poole, I et al; Presence or absence of melanocytes in vitiligo lesions: an immunohistochemical investigation. J Invest Dermatol 1993, 100: 816 3. Adema, G et al; Melanocyte lineage-specific antigens recognized by monoclonal antibodies NK1-beteb, HMB-50, and HMB-45 are encoded by a single cDNA. Am J Pathol 1993, 143: 1579 4. Adema, G et al; Molecular characterization of the melanocyte lineage-specific antigen gp100. J Biol Chem 1994, 269: 20126
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.