

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Map44, Human, clone 2D5B6		
Catalog number	HM2296-20UG		
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 IgG2a	Conjugate	None
Endotoxin	N.A.	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #						1	1	1
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 1:50. For functional studies, in vitro dilutions have to be optimized in user's experimental setting.

General Information

Description	The monoclonal antibody 2D5B6 reacts specifically with human MAP-44, a protein of approximately 44kDa, which is encoded by an alternatively spliced mRNA of the MASP-1 gene. Up to now 5 MASP proteins have been identified (MASP-1, MASP-2, MASP-3, MAP19 and MAP44) which are encoded by 2 genes. The MASP-2 gene gives rise to MASP2 and MAP19 due to alternative splicing, whereas the MASP-1 gene encodes a primary transcript which can be spliced to three different mRNAs coding for MASP-1, MASP-3 and MAP44. On the protein level MASP-1 and MASP-2 are shown to be responsible for complement activation through proteolytic cleavage of C2 and C4, whereas MASP-3 has been suggested to inhibit the generation of the C3 convertase. So far the role of MAP44 remains elusive. However, recent research have shown that patients suffering from colorectal cancer have increased levels of MAP44 upon surgery as compared to Map44 levels in normal sera. The monoclonal antibody 2D5B6 is suitable for immunohistochemistry, western blotting as well as use in immunoassays.
Immunogen	MAP44 specific peptide.
References	1. Degn, S et al, Biological variations of MASP-3 and MAP44, two splice products of the MASP1 gene involved in regulation of the complement system. J Immunol Meth 2010 361:37
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
09/12/2020

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