

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	MD-1, Mouse, clone MD113, biotinylated		
<b>Catalog number</b>	HM1040BT-50UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	500 µl	<b>Amount</b>	50 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Rat IgG2b	<b>Conjugate</b>	Biotin
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Protein G
<b>Storage</b>	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 1:50.

**General Information**

<b>Description</b>	The monoclonal antibody MD113 reacts with mouse MD-1. MD-1 (22-25 kD) is an extracellular protein associated with the extracellular domain of RP105. The latter is a type 1 transmembrane protein with leucine-rich repeats. RP105 is similar to Drosophila Toll. MD-1 associated with RP105 (similar to TLR4/MD-2) appears to be an essential molecule that helps RP105 on B-cells to signal to LPS. The MD113 antibody is antagonistic in LPS-induced B-cell proliferation and B7.2 up-regulation.
<b>References</b>	<ol style="list-style-type: none"> <li>Miyake, K et al; Mouse MD-1, a molecule that is physically associated with RP105 and positively regulates its expression. J Immunol 1998, 161: 1348</li> <li>Nagai, Y et al; Requirement for MD-1 in cell surface expression of RP105/CD180 and B-cell responsiveness to lipopolysaccharide. Blood 2002, 99: 1699</li> </ol>
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	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  
04/11/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).