

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	MCP, Mouse, clone MM10	<b>Expiry date</b>	-
<b>Catalog number</b>	HM1118-100UG	<b>Amount</b>	100 µg
<b>Lot number</b>	-	<b>Concentration</b>	100 µg/ml
<b>Volume</b>	1 ml	<b>Conjugate</b>	None
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	<b>Purification</b>	Protein G
<b>Host Species</b>	Rat IgG2a		
<b>Endotoxin</b>	N.A.		
<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.

- IA: Rat CD46 or mouse CD46 variant as coating on a micro titer plate

**General Information**

<b>Description</b>	The monoclonal antibody MM10 recognizes membrane cofactor protein (MCP), also known as CD46. MCP is a type I membrane glycoprotein that consists of four isoforms i.e. two C-isoforms (51-58 kDa) and two BC isoforms (59-68 kDa) which arise by alternative splicing of a single CD46 gene. Membrane cofactor protein is expressed on every cell and tissue, with the exception of erythrocytes. Membrane cofactor protein serves to down-regulate the activation of complement on host tissue. MCP is a cofactor for factor 1-mediated cleavage of C3b and C4b and this way serves to protect the host cell against autologous attack. MCP is a receptor for several pathogens including measles virus, group A <i>Streptococcus pyogenes</i> and pathogenic <i>Neisseria</i> .
<b>Immunogen</b>	Mouse CD46-human Fc fusion protein
<b>Aliases</b>	Membrane Cofactor Protein, CD46, Trophoblast leukocyte common antigen, TLX, measles virus receptor
<b>Cross reactivity</b>	Rat CD46: Yes
<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  
12/11/2019

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