

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Polymyxin B (PMB)	Expiry date	-
Catalog number	HC4020	Activity	N.A.
Lot number	-	Amount	10 ⁵ units
Volume	Reconstitute with distilled/de ionized water	Concentration	N.A.
Formulation	Lyophilized in PBS	Purification	N.A.
Host Species	N.A.	Purity	N.A.
Endotoxin	N.A.		
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

General Information

Description	The peptide Polymyxin B (PMB) is a cyclic amphipathic peptide antibiotic that binds to endotoxins (lipopolysaccharide, LPS). Binding of PMB to LPS results in neutralization of LPS of gram-negative bacteria. For the study of PMB-LPS interactions PMB conjugates proved to be superior to the application of anti-PMB antibodies. PMB conjugates are useful general probes to detect or measure lipid A and LPS of various species using simple methods. These conjugates are also useful for staining of bacteria. The conjugates obviate the need for many specific antisera. Furthermore PMB conjugates are useful tools in investigations of LPS binding protein (LBP) and bactericidal permeability increasing protein (BPI) interactions with LPS. In conclusion, PMB conjugates are useful probes for endotoxin research.
References	1. Appelmelk, B et al; Polymyxin B-horseradish peroxidase conjugates as tools in endotoxin research. Anal Biochem 1992, 207: 311
Storage&stability	Lyophilized product should be stored at 4°C. After reconstitution store stock solutions in aliquots at -20°C. Avoid repeated freezing and thawing. Under recommended storage conditions, product is stable for at least one year.
Precautions	Caution: vial is under vacuum. 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
Robbert Zwinkels

Date
27/03/2018

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