

Mouse anti-Human Polymyxin B Monoclonal Antibody

Monoclonal antibody to Polymyxin B (PMB)

CATALOG # AAA77794	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Polymyxin B; Monoclonal Antibody; Monoclonal antibody to Polymyxin B (PMB); anti-Polymyxin B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgM
Clone Number	45
Form/Format	1 ml (>200 ug/ml) culture medium with a low endotoxin level containing 0.02% sodium azide. For unit size 0.5 mg or larger: PBS only (concentration< 0.5mg/ml)
Applicable Applications for anti-Polymyxin B antibody	WB (Western Blot), IA (Immunoassay)
Preparation and Storage	Product should be stored at -20 degree C. Under recommended storage conditions, product is stable for one year.

ADDITIONAL INFORMATION

Related Product Information for anti-Polymyxin B antibody	Product Description: The monoclonal antibody 45 reacts with Polymyxin B. The antibody binds to free Polymyxin B as well as to Polymyxin B already bound to LPS. The peptide antibiotic Polymyxin B (PMB) binds to bacterial endotoxin (lipopolysaccharide, LPS). The interaction of PMB with LPS involves ionic forces between amino groups in PMB and negatively charged phosphate and carboxyl groups in the lipid A-Kdo region. PMB has relevance for endotoxin research in at least two ways: first, PMB reacts with LPS of many species regardless of varied serospecificity, and thus it can be used as a general probe for measuring or detecting LPS or lipid A. Second, binding of PMB to LPS may result in neutralization of the detrimental effects of LPS either in vitro or in vivo. Monoclonal antibody 45 enables the possibilities to study quantitatively the interaction of PMB and LPS.
References	1. Appelmek, B et al; Polymyxin B-horseradish peroxidase conjugates as tools in endotoxin research. Anal Biochem 1992, 207: 311

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/polymyxin-b-antibody-clone-45-western-blot-immunoassay-elisa/77794>