

Product datasheet for **AM32120LE-N**

Polymyxin B (PMB) Mouse Monoclonal Antibody [Clone ID: 45]

Product data:

Product Type:	Primary Antibodies
Clone Name:	45
Applications:	ELISA, WB
Recommended Dilution:	Western blotting: Use 1/50 as starting working dilution. Immunoassays.
Reactivity:	Broad
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Specificity:	This Monoclonal antibody clone 45 reacts with Polymyxin B. It binds to free Polymyxin B as well as to Polymyxin B already bound to LPS. This antibody enables the possibilities to study quantitatively the interaction of PMB and LPS.
Formulation:	PBS with 0.1% BSA and 0.02% Sodium Azide. State: Culture Medium with a Low Endotoxin.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Background:	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 <i>in vitro</i> or <i>in vivo</i> .



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