

Product datasheet for **AM26366LE-N**

Polymyxin B Mouse Monoclonal Antibody [Clone ID: 45]

Product data:

Product Type:	Primary Antibodies
Clone Name:	45
Applications:	ELISA, WB
Recommended Dilution:	Immunoassays. Western blot: The typical starting working dilution is 1/10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Specificity:	The monoclonal antibody 45 reacts with Polymyxin B. It enables the possibilities to study quantitatively the interaction of PMB and LPS.
Formulation:	State: Low Endotoxin State: Liquid Culture Medium with a Low endotoxin Level Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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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