

**AM26366LE-N****Monoclonal Antibody to Polymyxin B - Low Endotoxin**

<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	> 0.2 mg/ml
<b>Background:</b>	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> .
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	45
<b>Format:</b>	<b>State:</b> Liquid Culture Medium with a Low endotoxin Level <b>Preservatives:</b> 0.02% Sodium Azide
<b>Applications:</b>	<b>Immunoassays.</b> <b>Western blot:</b> The typical starting working dilution is 1/10. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The monoclonal antibody 45 reacts with Polymyxin B. It enables the possibilities to study quantitatively the interaction of PMB and LPS.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Appelmelk BJ, Su D, Verweij-van Vught AM, Thijs BG, MacLaren DM. Polymyxin B-horseradish peroxidase conjugates as tools in endotoxin research. <i>Anal Biochem.</i> 1992 Dec;207(2):311-6. PubMed PMID: 1481986.