

Mouse anti-Polymyxin B, clone 45 (Monoclonal)

Clone no. 45

MONOSAN

Product name	Mouse anti-Polymyxin B, clone 45 (Monoclonal)
Host	Mouse
Applications	ELISA,WB
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgM
Clonality	Monoclonal
Clone number	45
Size	1 ml
Concentration	> 200 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Mouse anti-Polymyxin B, clone 45 (Monoclonal)

Clone no. 45

MONOSAN

Additional info

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. Anal Biochem 1992; 207: 311
2. -
3. -
4. -
5. -

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES