

## Monoclonal Antibody to KDO alpha - Low Endotoxin

<b>Alternate names:</b>	Alpha-3-Deoxy-D-manno-Octulosonic Acid
<b>Catalog No.:</b>	AM32121LE-N
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	> 0.2 mg/ml
<b>Background:</b>	LPS is chemically composed of a lipid part, lipid A, which is responsible for the endotoxic activities of LPS, and a heteropolysaccharide which generally consists of an oligosaccharide, termed the core region, and, in some bacterial families, of the so-called O chain, composed of repeating oligosaccharide units.
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	20
<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>Immunoassay.</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 20 reacts with alpha-3-deoxy-D-manno-octulosonic acid (= alpha-Kdo) of the inner core with a large panel of LPS. It does not bind to beta-Kdo or 5-deoxy-Kdo. This antibody is a core antibody which does not require the presence of lipid A constituents for binding.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Rozalski A, Brade L, Kosma P, Appelmelk BJ, Krogmann C, Brade H. Epitope specificities of murine monoclonal and rabbit polyclonal antibodies against enterobacterial lipopolysaccharides of the Re chemotype. <i>Infect Immun.</i> 1989 Sep;57(9):2645-52. PubMed PMID: 2474499. 2. Rozalski A, Brade L, Kuhn HM, Brade H, Kosma P, Appelmelk BJ, et al. Determination of the epitope specificity of monoclonal antibodies against the inner core region of bacterial lipopolysaccharides by use of 3-deoxy-D-manno-octulosonate-containing synthetic antigens. <i>Carbohydr Res.</i> 1989 Oct 31;193:257-70. PubMed PMID: 2482126. 3. van der Meer NM, Appelmelk BJ, Verweij-van Vught AM, Nimmich W, Kosma P, Thijs LG, et al. Binding studies of a monoclonal antibody specific for 3-deoxy-D-manno-octulosonic acid with a panel of <i>Klebsiella pneumoniae</i> lipopolysaccharides representing all of the O

serotypes. Infect Immun. 1994 Mar;62(3):1052-7. PubMed PMID: 8112839.