

## Product Information

### MPLA

CAT#: E127

#### Product Information

<b>Description/Features</b>	Monophosphoryl Lipid A [MPLA] derived from E. coli R515 (Re) LPS (biosynthetic)
<b>Origin</b>	E. coli strain R515
<b>Forms</b>	Liquid. Colourless opaque aqueous solution.
<b>Purity</b>	≥99.9%. No detectable DNA, RNA and protein traces.
<b>Concentration</b>	1mg/ml (0.5mg/ml for 250µg size) stabilised in sterile, double-distilled water (ddWater), without any additives.
<b>Biological Activity</b>	Optimal concentration is dependent upon cell type, species, desired activation and analysis: 0.1-1.0µg/ml. Does not activate any TLR other than TLR4 as tested up to 50µg/ml in relevant cellular systems (macrophages).
<b>Usage</b>	Do not freeze. Ready-made solution is cell culture-grade. Prepare diluted MPLA working solutions in water just prior to use, keep sterile. To yield a 100µg/ml (1,000-100x) stock solution add 100µl of MPLA to 900µl endotoxin-free and sterile ddWater (not PBS) and mix well.
<b>Storage</b>	Stable for at least 2 years after receipt when stored at +4°C.