

## Product Information

### Lipopolysaccharide, Alexa Fluor 488 conjugated

**CAT#:** LPS-02AF

#### Product Information

<b>Description/Features</b>	Lipopolysaccharides (LPS) or endotoxins are complex macromolecules present on the outer cell walls of gram negative bacteria. The structural core of LPS, and the primary determinant of its biological activity, is the N-acetylglucosamine derivative, lipid A. Endotoxins are responsible for various signal transduction pathways including those involving protein kinase C and protein myristylation as well as for stimulating a variety of immunochemical responses including B lymphocyte and G-protein activation.
<b>Source</b>	Escherichia coli serotype 055:B5
<b>Formulation</b>	100ug in dry form
<b>Color</b>	Green
<b>Ex/Em Wavelength</b>	495nm/519nm
<b>Conjugate</b>	Alexa Fluor™ 488
<b>Package</b>	100ug
<b>Application</b>	Fluorescent conjugates of LPS will help researchers to follow LPS binding and transport processes, cell internalization studies.
<b>Storage</b>	Store at 4°C or lower. Protect from light.
<b>Handling</b>	Solutions of 1–10 mg/mL can be made by dissolving the powder in the appropriate amount of PBS or other suitable buffer. Heating to 37°C and vortexing or sonicating may be required.
<b>Notes</b>	LPS products are potentially pyrogenic. Wear appropriate laboratory attire including a lab coat, gloves and safety glasses. Wash thoroughly any area of the body that comes into contact with LPS product.