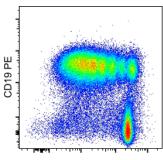


eBioscience[™] Lipopolysaccharide (LPS) Solution (500X)

Catalog Number: 00-4976

For Research Use Only. Not for use in diagnostic procedures.



Cell Proliferation Dye eFluor 450

Product Information

Contents: eBioscience™ Lipopolysaccharide (LPS) Solution (500X)

REFCatalog Number: 00-4976Concentration: 500X (2.5 mg/mL)Handling Conditions: Use in sterile
environment.Source: Escherichia coli 026:B6

Formulation: Sterile aqueous buffer, no sodium azide

Temperature Limitation: Store at -20°C.

Mouse splenocytes were labeled with 10 uM Cell Proliferation Dye eFluor® 450 (cat. 65-0842) and

cultured for 3 days with Lipopolysaccharide (LPS) Solution (500X) at 2 uL per mL of culture medium. Cells were stained with Anti-Mouse CD19 PE (cat. 12-0193) and Fixable Viability Dye eFluor® 780 (cat. 65-0865). Total singlet-gated, viable cells were used for analysis.

- LOT
 - Batch Code: Refer to vial
- Use By: Refer to vial

Description

The Lipoploysaccharide (LPS) Solution (500X) is a ready to use solution of LPS from *Escherichia coli* 026:B6 in aqueous solution. LPS is a major component of the cell wall of gram negative bacteria. It is highly immunogenic and strongly activates immune cells bearing the CD14/TLR4/MD2 receptor complex. This reagent is intended for use in *in vitro* culture of B cells, monocytes, macrophages and other cells that are responsive to LPS.

Applications Reported

Lipopolysaccharide (LPS) Solution (500X) has been reported for use in in vitro cultures.

Applications Tested

The activity of the Lipopolysaccharide (LPS) Solution (500X) has been tested by proliferation of mouse splenocytes, as measured by dilution of Cell Proliferation Dye eFluor® 450. This is a pre-titrated 500X solution and can be diluted to 2 μ L per mL of culture medium. This reagent may be further-titrated for optimal performance in the assay of interest.

Under the testing conditions listed above, no change in performance is observed after 20 freeze-thaw cycles. For optimal performance, smaller aliquots may be prepared to minimize the number of freeze-thaw cycles.

References

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Related Products

00-4505 eBioscience[™] Monensin Solution (1000X) 00-4506 eBioscience[™] Brefeldin A Solution (1000X) 00-4970 eBioscience[™] Cell Stimulation Cocktail (500X) 00-4975 eBioscience[™] Cell Stimulation Cocktail (plus protein transport inhibitors) (500X) 00-4977 eBioscience[™] Phytohemagglutinin-L (PHA-L) Solution (500X) 00-4978 eBioscience[™] Concanavalin A (Con A) Solution (500X) 00-4980 eBioscience[™] Protein Transport Inhibitor Cocktail (500X) 65-0842 eBioscience[™] Cell Proliferation Dye eFluor[™] 450

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