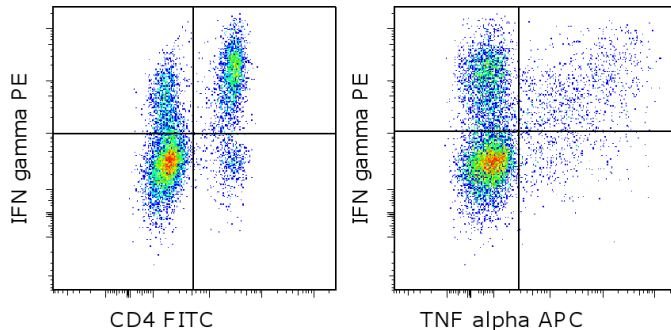


Cell Stimulation Cocktail (500X)

Catalog Number: 00-4970

GPR: General Purpose Reagents. For Laboratory Use.



Mouse splenocytes were cultured with 1X Cell Stimulation Cocktail and 1X Protein Transport Inhibitor Cocktail (cat. 00-4980) for 16 hours. Cultures were harvested and fixed and permeabilized with IC Fixation Buffer (cat. 00-8222) and Permeabilization Buffer (cat. 00-8333). The cells were then stained with Anti-Mouse CD4 FITC (cat. 11-0042), Anti-Mouse IFN gamma PE (12-7311) and Anti-Mouse TNF alpha APC (cat. 17-7321). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Cell Stimulation Cocktail (500X)
Catalog Number: 00-4970
Concentration: 500X (Use at 1X: dilute 1/500 or to 2 uL/mL final concentration)
Handling Conditions: Wear suitable personal protective equipment and gloves.

Formulation: Phorbol 12-Myristate 13-Acetate (40.5 uM), Ionomycin (670 uM) in Ethanol
Temperature Limitation: Store at -20°C. For long-term storage, product can also be stored at less than or equal to -70°C. Protect from light.



LOT



Batch Code: Refer to vial

Use By: Refer to vial

Description

The Cell Stimulation Cocktail (500X) is a cocktail of phorbol 12-myristate 13-acetate (PMA) and ionomycin. Treatment with PMA and ionomycin is sufficient to induce activation of many cell types to produce cytokines. This cocktail can be used to induce cytokine production in *in vitro* cell culture for subsequent detection in immunoassays. It can also be used in conjunction with the Protein Transport Inhibitor Cocktail (500X) (cat. 00-4980) for intracellular retention of the induced cytokine expression.

Applications Reported

The Cell Stimulation Cocktail (500X) has been reported for use in flow cytometric analysis, ELISA, and cell culture.

Applications Tested

The Cell Stimulation Cocktail has been tested by treatment of mouse splenocytes for 5 to 18 hours in combination with the Protein Transport Inhibitor Cocktail (cat. 00-4980) followed by intracellular staining and flow cytometric analysis of IFN γ . This cocktail is supplied as a 500X concentrate and can be directly added to culture medium at 1X (2 μ L/mL).

This product is formulated with a solvent that will not freeze at recommended storage temperatures. It is recommended that this product be kept tightly sealed and cold at all times to avoid excess evaporation.

Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)
00-4980 Protein Transport Inhibitor Cocktail (500X)
00-8222 IC Fixation Buffer
00-8333 Permeabilization Buffer (10X)

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