

TECHNICAL DATA SHEET

Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X)

Catalog Number: TNB-4970

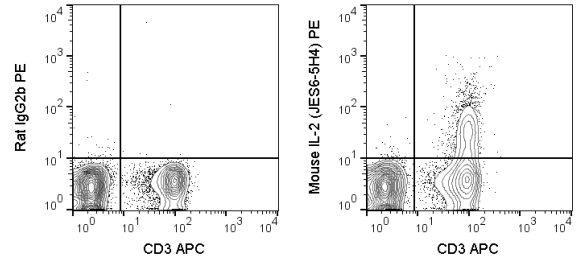
PRODUCT INFORMATION

Contents: Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X)

Use By: 6 months from date of receipt

Storage Conditions: -20°C, protected from light and tightly sealed to prevent evaporation

Formulation: 500X concentrate of Phorbol 12-Myristate 13-Acetate and Ionomycin in Ethanol



C57Bl/6 splenocytes were stimulated with Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X) (TNB-4970) supplemented with Brefeldin A Solution (TNB-4506) and then stained with APC Anti-Mouse CD3e (20-0031), followed by intracellular staining with PE Anti-Mouse IL-2 (50-7021) (right panel) or PE Rat IgG2b (left panel).

DESCRIPTION

Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X) is a ready to use cocktail that can be used for polyclonal cell activation. It is composed of the phorbol ester, PMA (Phorbol 12-Myristate 13-Acetate) and a calcium ionophore (Ionomycin). This Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X) can be used to elicit cytokine production in a variety of cell types allowing for detection in immunoassays.

PREPARATION & STORAGE

Cell Stimulation Cocktail (w/o protein transport inhibitors) is supplied as a 500X solution in Ethanol. Product should be stored at -20°C, protected from light and tightly sealed to prevent evaporation.

APPLICATION NOTES

Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X) has been quality-tested by treatment of mouse splenocytes for 6 to 18 hours in combination with Brefeldin A Solution (1000X) (TNB-4506) followed by intracellular staining and flow cytometric analysis of IL-2 or IFN-gamma. Cell Stimulation Cocktail (w/o protein transport inhibitors) is supplied as a 500X solution and should be used at 1X final concentration for cell stimulation. It is recommended to add the cocktail directly to the cell suspension at 2 uL/mL to obtain a 1X final concentration.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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