

TECHNICAL DATA SHEET

# Cell Stimulation Cocktail (500X)

Catalog Number: TNB-4975

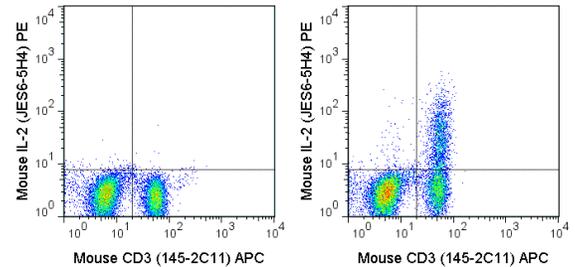
## PRODUCT INFORMATION

**Contents:** Cell Stimulation Cocktail (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, Ionomycin, Brefeldin A, and Monensin in Ethanol



C57Bl/6 splenocytes were stimulated with 1X Cell Stimulation Cocktail (500X) (TNB-4975-UL100) (right panel) or unstimulated (left panel) and then stained with APC Anti-Mouse CD3e (20-0031), followed by intracellular staining with PE Anti-Mouse IL-2 (50-7021).

## DESCRIPTION

Cell Stimulation Cocktail (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), a calcium ionophore (Ionomycin), and the protein transport inhibitors Brefeldin A and Monensin. This Cell Stimulation Cocktail (500X) can be used to elicit cytokine production and retention in a variety of cell types allowing for detection of intracellular protein by flow cytometry.

## PREPARATION & STORAGE

Cell Stimulation Cocktail 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 (500X) has been quality-tested by treatment of mouse splenocytes for 6 to 18 hours followed by intracellular staining and flow cytometric analysis of IL-2 or Ifn-gamma. Cell Stimulation Cocktail 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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