

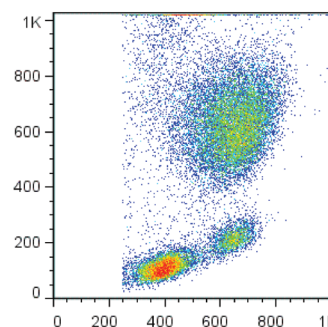
# Buffers, Solutions & Cell Stimulations

Explore our portfolio of buffers, solutions and cell stimulations. Maximize your time in the lab with these pre-optimized reagents! Whether preparing samples, conducting intracellular transcription factor and cytokine staining, or even cell activation for cytokine stimulation – you can trust these reagents to optimize your workflow without breaking your budget.

Part No.	Name	Size
TNB-4222-L500	Flow Staining Buffer (1X)	500 mL
TNB-4300-L100	RBC Lysis Buffer (10X)	100 mL
TNB-4505-L001	Monensin Solution (1000X)	1 mL
TNB-4506-L001	Brefeldin A Solution (1000X)	1 mL
TNB-4600-L600	Sheath Fluid (30X)	600 mL
TNB-4700-L100	Lymphocyte Separation Medium	100 mL
TNB-5000-L050	Annexin V Binding Buffer (1X)	50 mL
TNB-8222-L100	Fixation Buffer	100 mL

## RBC Lysis Buffer (10X)

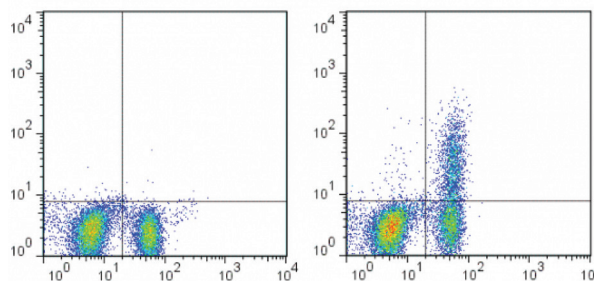
TNB-4300-L100



Human peripheral blood leukocytes were lysed with RBC Lysis Buffer (P/N TNB-4300-L100). The scatter profile of the leukocytes is shown.

## Cell Stimulation Cocktails

The 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.



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

## Cell Stimulation Cocktail (500X)

Part No.	Name	Size
TNB-4975-UL100	Cell Stimulation Cocktail (500X)	100 µL
TNB-4975-UL400	Cell Stimulation Cocktail (500X)	4 × 100 µL

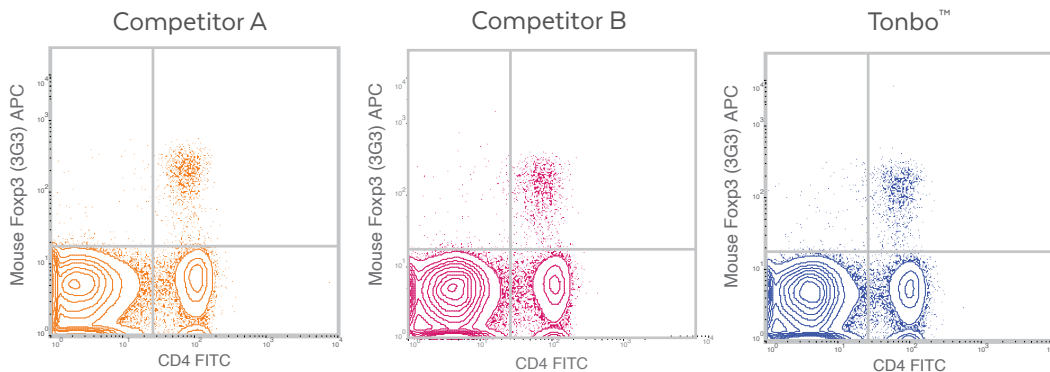
## Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X)

Part No.	Name	Size
TNB-4970-UL100	Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X)	100 µL
TNB-4970-UL400	Cell Stimulation Cocktail (w/o protein transport inhibitors) (500X)	4 × 100 µL

# Tonbo™ Foxp3 / Transcription Factor Staining Buffer Kit

## TNB-0607-KIT

The Tonbo™ Foxp3/Transcription Factor Staining Buffer Kit performs equally or better than the competition for optimal resolution of Foxp3<sup>+</sup> Regulatory T-cells. This kit contains specially formulated buffers and solutions for optimal resolution and low background in your analysis of nuclear antigens by flow cytometry.



C57Bl/6 splenocytes were stained with FITC Anti-Mouse CD4 followed by intracellular staining with APC Anti-Mouse Fxp3 (clone 3G3). Fixation and permeabilization was performed using **Foxp3 / Transcription Factor Staining Buffer Kit (P/N TNB-0607-KIT)**, or the comparable kit available from Competitor A and Competitor B.

Part No.	Name	Size
TNB-0607-KIT	Foxp3 / Transcription Factor Staining Buffer Kit	KIT
TNB-1020-L050	Foxp3 / Transcription Factor Fix/Perm Concentrate (4X)	50 mL
TNB-1022-L160	Foxp3 / Transcription Factor Fix/Perm Diluent (1X)	160 mL
TNB-1213-L150	Flow Cytometry Perm Buffer (10X)	150 mL

Included in this kit, and available for purchase separately, are:

### Foxp3 / Transcription Factor Fix/Perm Concentrate (4X)

#### TNB-1020-L050

A concentrated solution which, when diluted with Foxp3 / Transcription Factor Fix/Perm Diluent (1X) provide best results for intracellular staining of transcription factors using fluorescently conjugated antibodies.

### Flow Cytometry Perm Buffer (10X)

#### TNB-1213-L150

Provided as a concentrate which, when diluted with distilled water to a 1X solution, provide best results for intracellular staining of cytokines and other cytoplasmic antigens, by maintaining membrane permeabilization throughout staining and washing steps.

### Foxp3 / Transcription Factor Fix/Perm Diluent (1X)

#### TNB-1022-L160

Intended for use as a diluent for Foxp3 / Transcription Factor Fix/Perm Concentrate (4X).

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

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