TECHNICAL DATA SHEET

Transcription Factor Staining Buffer Kit

Catalog Number: TNB-0607-KIT

PRODUCT INFORMATION

Contents: Transcription Factor Fix/Perm Concentrate (4X) ..... TNB-1020-L050 (see page 2)
Transcription Factor Fix/Perm Diluent (1X) ..... TNB-1022-L160 (see page 3)
Flow Cytometry Perm Buffer (10X) ..... TNB-1213-L150 (see page 4)

DESCRIPTION

Tonbo Biosciences Transcription Factor Staining Buffer Kit contains specially formulated buffers and solutions for optimal resolution and low background in your analysis of nuclear antigens by flow cytometry. This complete kit contains the following components for use in staining protocols for detection of nuclear antigens such as Foxp3 and ROR gamma.

Transcription Factor Fix/Perm Concentrate (4X) (Cat. No. TNB-1020-L050): 50 mL. A concentrated solution which, when diluted with Transcription Factor Fix/Perm Diluent (1X) (cat. no. TNB-1022-L160), provides best results in protocols for intranuclear staining of transcription factors using fluorescently conjugated antibodies.

Transcription Factor Fix/Perm Diluent (1X) (Cat. No. TNB-1022-L160): 160 mL. Intended for use as a diluent for Transcription Factor Fix/Perm Concentrate (4X)

Flow Cytometry Perm Buffer (10X) (Cat. No. TNB-1213-L150): 150 mL. Provided as a concentrate which, when diluted with distilled water to a 1X solution, provides best results in intracellular staining protocols for cytokines and other cytoplasmic antigens, by maintaining membrane permeabilization throughout staining and wash steps.

TECHNICAL DATA SHEET

Transcription Factor Fix/Perm Concentrate (4X)

Catalog Number: TNB-1020-L050

PRODUCT INFORMATION

Contents: Transcription Factor Fix/Perm Concentrate (4X)

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C

Formulation: Transcription Factor Fix/Perm Concentrate (4x) contains formaldehyde. Use appropriate personal protective equipment in order to avoid contact with skin and eyes.

DESCRIPTION

Tonbo Biosciences Transcription Factor Fix/Perm Concentrate (4X) is a concentrated solution which, when diluted with Transcription Factor Fix/Perm Diluent (1X) (cat. no. TNB-1022-L160), provides best results in protocols for intranuclear staining of transcription factors using fluorescently conjugated antibodies, followed by flow cytometric analysis. These reagents are formulated for optimal resolution and low background in your analysis of key nuclear proteins such as Foxp3.

PREPARATION

Transcription Factor Fix/Perm Concentrate is supplied as a 4X stock solution and must be diluted with Transcription Factor Fix/Perm Diluent (1X) (TNB-1022-L160) prior to use. To prepare a 1X working solution, mix 1 part Transcription Factor Fix/Perm Concentrate (4X) with 3 parts Transcription Factor Fix/Perm Diluent (1X).

APPLICATION NOTES

After cell surface staining is complete and cells are washed, completely resuspend the cell pellet by briefly vortexing. Add 1 mL of the 1X working solution to the cells, vortex briefly, and incubate for 30-60 minutes at room temperature or 4°C. Samples should be protected from light. Following the incubation period, wash cells 2 times with 1X Flow Cytometry Perm Buffer (TNB-1213-L150) prior to incubation with conjugated antibodies specific for intracellular proteins.

TECHNICAL DATA SHEET

Transcription Factor Fix/Perm Diluent (1X)

Catalog Number: TNB-1022-L160

PRODUCT INFORMATION

Contents: Transcription Factor Fix/Perm Diluent (1X)

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C

Formulation: Transcription Factor Fix/Perm Diluent (1x) contains sodium azide. Use appropriate personal protective equipment in order to avoid contact with skin and eyes.

DESCRIPTION

Tonbo Biosciences Transcription Factor Fix/Perm Diluent (1X), is intended for use with Transcription Factor Fix/Perm Concentrate (4X) (cat. no. TNB-1020-L050), for best results in protocols for intranuclear staining of transcription factors using fluorescently conjugated antibodies, followed by flow cytometric analysis. These reagents are formulated for optimal resolution and low background in your analysis of key nuclear proteins such as Foxp3.

PREPARATION

Transcription Factor Fix/Perm Diluent is supplied as a 1X solution and must be used to dilute Transcription Factor Fix/Perm Concentrate (4X)(TNB-1020-L050) prior to use. To prepare a 1X working solution, mix 3 parts Transcription Factor Fix/Perm Diluent (1X) with 1 part Transcription Factor Fix/Perm Concentrate (4X).

APPLICATION NOTES

After cell surface staining is complete and cells are washed, completely resuspend the cell pellet by briefly vortexing. Add 1 mL of the 1X working solution to the cells, vortex briefly, and incubate for 30-60 minutes at room temperature or 4°C. Samples should be protected from light. Following the incubation period, wash cells 2 times with 1X Flow Cytometry Perm Buffer (TNB-1213-L150) prior to incubation with conjugated antibodies specific for intracellular proteins.

TECHNICAL DATA SHEET

Flow Cytometry Perm Buffer (10X)

Catalog Number: TNB-1213-L150

PRODUCT INFORMATION

Contents: Flow Cytometry Perm Buffer (10X)

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C

Formulation: Flow Cytometry Perm Buffer (10X) contains sodium azide. Use appropriate personal protective equipment in order to avoid contact with skin and eyes.

DESCRIPTION

Tonbo Biosciences Flow Cytometry Perm Buffer (10X) is provided as a concentrate which, when diluted with distilled water to a 1X solution, provides best results in intracellular staining protocols for cytokines and other cytoplasmic antigens, by maintaining membrane permeabilization throughout staining and wash steps. The Flow Cytometry Perm Buffer is formulated for optimal resolution and low background when used in fluorophore-labeled antibody staining protocols, followed by flow cytometric analysis.

PREPARATION

Flow Cytometry Perm Buffer is supplied as a 10X stock solution and must be diluted to a 1X solution with distilled water prior to use.

APPLICATION NOTES

Flow Cytometry Perm Buffer is intended for use as a wash and incubation buffer for intracellular staining protocols. The 1X working solution should be used for all washing and staining steps subsequent to cell surface staining and fixation.