



# True-Nuclear™ Transcription Factor Buffer Set

Catalog# / Size 424401 / 120 tests

Regulatory Status RUO

Other Names Transcription Factor Fixation/Permeabilization Buffer Set

Description BioLegend's True-Nuclear™ Transcription Factor Buffer Set has been specially formulated for

intracellular staining with minimum effect on the surface fluorochrome staining.

See the advantages of True-Nuclear™ Transcription Factor Buffer Set in this brief webinar:

biolegend.com/true nuclear webinar.

**Caution**: The True-Nuclear™ Transcription Factor Buffer Set contains paraformaldehyde, which is toxic and mutagenic. Please handle with caution. Wear gloves, lab coats, and

necessary protection to avoid direct contact.

#### **Product Details**

Storage & Handling Store between 2°C and 8°C. Do not freeze.

Application <u>ICFC - Quality tested</u>

Recommended Usage Prepare fresh Transcription Factor Fix working solution by diluting the 4X Fix Concentrate (1 part)

with the Fix Diluent (3 parts). 1 mL of the 1X Fix working solution is needed for each tube.

Prepare a 1X working solution of the Perm Buffer by diluting the 10X Perm Buffer with distilled

water. 6.5 mL of 1X Perm Buffer is needed for each sample of tube.

NOTE: The 10X Perm Buffer may have crystallization or precipitation when it is stored at 2-8°C; however, this is normal and does not affect the buffer's performance. If there is a heavy precipitation observed after dilution to 1X working solution, it can be filtered to clarify the solution.

Application Notes Buffer Set Contents:

- True-Nuclear™ 4X Fix Concentrate (30 mL)
- True-Nuclear™ Fix Diluent (100 mL)
- True-Nuclear™ 10X Perm Buffer (100 mL)

Additional Product Notes View more app

View more applications data using this product to <u>stain Veri-Cells™ lyophilized control cells</u>, to <u>detect transcription factors</u>, and <u>to study TIGIT</u> in our Scientific Poster Library.

**Product Citations** 

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- 3. Ajith A, et al. 2021. Front Immunol. 12:687715. PubMed
- 4. Manso BA, et al. 2021. STAR Protoc. 2:100485. PubMed
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- Zeng N, et al. 2022. EMBO Rep. 23:e53302. <u>PubMed</u>
  Li X, et al. 2022. Nat Commun. 13:2794. <u>PubMed</u>
- 8. Otano I, et al. 2021. Nat Commun. 12:7296. PubMed
- 9. Bujanover N, et al. 2021. Stem Cell Reports. 16:1884. PubMed
- 10. Kim D, et al. 2021. Nanomicro Lett. 13:31. PubMed
- 11. Zhang M, et al. 2020. Nat Commun. 4.707638889. PubMed
- 12. Baram T, et al. 2021. Cells. 10:. PubMed

#### **Antigen Details**

Cell Type Tregs

Biology Area Immunology, Transcription Factors

Molecular Family Nuclear Markers

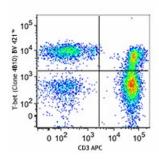
Gene ID NA

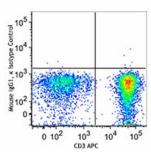
## **Related Protocols**

True-Nuclear™ Transcription Factor Staining Protocol for 96-Well U Bottom Plate

<u>True-Nuclear™ Transcription Factor Staining Protocol for 5mL Tubes</u>

### **Product Data**





Human peripheral blood lymphocytes were surface stained with CD3 APC and then treated with True-Nuclear™ Transcription Factor Buffer Set. Cells were then stained with T-bet (clone 4B10) Brilliant Violet 421™ (top) or mouse IgG1, κ Brilliant Violet 421™ isotype control (bottom).

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