

True-Nuclear™ Transcription Factor Buffer Set

Catalog# / Size	424401 / 120 tests
Regulatory Status	RUO
Other Names	Transcription Factor Fixation/Permeabilization Buffer Set
Description	<p>BioLegend's True-Nuclear™ Transcription Factor Buffer Set has been specially formulated for intracellular staining with minimum effect on the surface fluorochrome staining.</p> <p>See the advantages of True-Nuclear™ Transcription Factor Buffer Set in this brief webinar: biolegend.com/true_nuclear_webinar.</p>

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

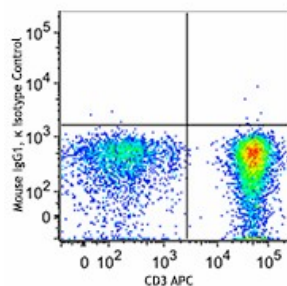
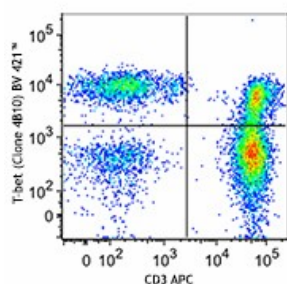
Storage & Handling	Store between 2°C and 8°C. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	<p>Prepare fresh Transcription Factor Fix working solution by diluting the 4X Fix Concentrate (1 part) with the Fix Diluent (3 parts). 1 mL of the 1X Fix working solution is needed for each tube.</p> <p>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.</p> <p>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.</p>
Application Notes	<p>Buffer Set Contents:</p> <ul style="list-style-type: none"> • 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 applications data using this product to stain Veri-Cells™ lyophilized control cells , to detect transcription factors , and to study TIGIT in our Scientific Poster Library.
Product Citations	<ol style="list-style-type: none"> 1. Wang L, <i>et al.</i> 2019. Front Pharmacol. 1.342361111. PubMed 2. Ogawa T, <i>et al.</i> 2020. J Immunol. 205:907. PubMed 3. Ajith A, <i>et al.</i> 2021. Front Immunol. 12:687715. PubMed 4. Manso BA, <i>et al.</i> 2021. STAR Protoc. 2:100485. PubMed 5. Wu HJ, <i>et al.</i> 2021. Nat Commun. 12:4897. PubMed 6. Zeng N, <i>et al.</i> 2022. EMBO Rep. 23:e53302. PubMed 7. Li X, <i>et al.</i> 2022. Nat Commun. 13:2794. PubMed 8. Otano I, <i>et al.</i> 2021. Nat Commun. 12:7296. PubMed 9. Bujanover N, <i>et al.</i> 2021. Stem Cell Reports. 16:1884. PubMed 10. Kim D, <i>et al.</i> 2021. Nanomicro Lett. 13:31. PubMed 11. Zhang M, <i>et al.</i> 2020. Nat Commun. 4.707638889. PubMed 12. Baram T, <i>et al.</i> 2021. Cells. 10:. PubMed

Antigen Details

Cell Type	Tregs
Biology Area	Immunology, Transcription Factors
Molecular Family	Nuclear Markers
Gene ID	NA

Related Protocols

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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