

True-Phos™ Perm Buffer

Catalog# / Size	425401 / 125 mL
Regulatory Status	RUO
Other Names	Phospho-protein Fixation/Permeabilization Buffer Set
Description	True-Phos™ Perm Buffer has been developed to permeabilize fixed peripheral blood mononuclear cells (PBMCs), lysed whole blood, cell lines, or splenocytes. Cells can be stimulated cytokines (e.g. IL-4, IL-6, etc.), antibodies (e.g. anti-CD3, clone HIT3a), or phorbol-12-myristate 13-acetate and ionomycin (Cell Activation Cocktail; Cat. No. 423301), and fixed with Fixation Buffer (Cat. No. 420801), or for whole blood, RBC Lysis/Fixation Solution (Cat. No. 422401). This buffer has been designed for use with antibodies for phospho-proteins (e.g. p-STAT6, p-ERK, etc.) and other intracellular targets (e.g. Cyclin B1, pan-STAT3, etc.). Not all cell surface markers are compatible with BioLegend's True-Phos™ Perm Buffer.

Product Details

Storage & Handling	Store between 2°C and 8°C, protected from prolonged exposure to light.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this product is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. Use 1 mL of True-Phos™ Perm Buffer per 1 million cells, or 100 µL of whole blood.
Additional Product Notes	View more applications data using this product to stain Veri-Cells™ lyophilized control cells and to study phosphorylation kinetics in our Scientific Poster Library.
Product Citations	1. Ryan C, <i>et al.</i> 2016. Blood. 128(25):2899-2908. PubMed

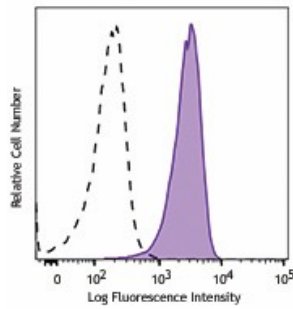
Antigen Details

Biology Area	Cell Biology, Signal Transduction, Transcription Factors
Molecular Family	Phospho-Proteins
Gene ID	NA

Related Protocols

- [Intracellular Staining With True-Phos™ Perm Buffer in Cell Suspensions Protocol](#)
- [Intracellular Staining With True-Phos™ Perm Buffer in Whole Blood](#)

Product Data



Human peripheral blood lymphocytes were stimulated with (filled histogram) or without (open histogram) IL-4 for 15 minutes, fixed with Fixation Buffer, permeabilized with cold True-Phos™ Perm Buffer, and intracellularly stained with anti-STAT6 Phospho (Tyr641) (clone A15137E) PE.

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