

Nuclear Factor Fixation and Permeabilization Buffer Set

Catalog # / Size: 422601 / 100 tests

Storage: Store between 2°C and 8°C. **Do not freeze.**

Applications:

Applications: ICFC - *Quality tested*

Application Notes: **Intracellular Staining Procedure:**

Prior to following the staining procedure, dilute one (1) part Nuclear Factor Fixation Buffer (4X) with three (3) parts PBS, and dilute one (1) part Nuclear Factor Permeabilization Buffer with nine (9) parts PBS.

1. Prepare target cells of interest and perform surface staining as described in BioLegend's Cell Surface Immunofluorescence Staining Protocol.
2. Fix the cells with 1 ml/tube BioLegend's Nuclear Factor Fixation Buffer, at room temperature in the dark for 20 minutes.
3. Centrifuge at 250 x g for 5 minutes; discard supernatant.
4. Wash once with 1 ml BioLegend's Nuclear Factor Permeabilization Buffer (1X).
5. Resuspend cells in 1 ml BioLegend's Nuclear Factor Permeabilization Buffer (1X), incubate at room temperature in the dark for 20 minutes, spin down cells and discard the supernatant; then resuspend the pellet in 100 µl of BioLegend's Nuclear Factor Permeabilization Buffer (1X).
6. Add appropriate amount of fluochrome-conjugated antibodies for nuclear target of interest, and incubate at room temperature in the dark for 30 minutes.
7. Wash twice with Cell Staining Buffer, and resuspend in 0.5 ml Cell Staining Buffer, then analyze with flow cytometer with appropriate instrument settings.

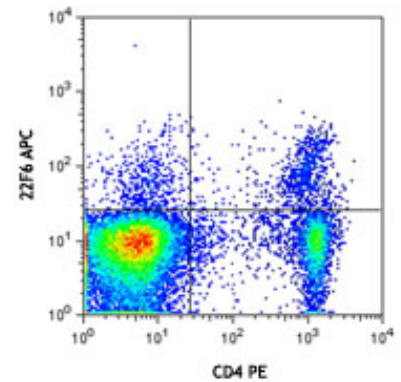
Description: BioLegend's Nuclear Factor Fixation and Permeabilization Buffer Set has been specially formulated for staining of nuclear and other intracellular antigens with minimum effect on the surface fluorochrome staining. It contains one 30 ml 4X concentrated Nuclear Factor Fixation Buffer and one 25 ml 10X concentrated Nuclear Factor Permeabilization Buffer. The Nuclear Factor Fixation Buffer (4X) must be *freshly diluted* to 1X working solution with PBS.

Caution: The Nuclear Factor Fixation Buffer contains paraformaldehyde, which is toxigenic and mutagenic. Please handle with caution and wear gloves, lab coat, and necessary protection to avoid direct body contact.

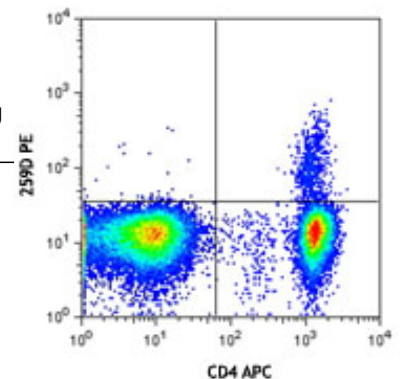
Related Products: **Product**
Cell Staining Buffer

Clone

Application
FC, ICC, ICFC



C57BL/6 splenocytes were surface stained with CD4 PE, then treated with the Nuclear Factor Fixation and Permeabilization Buffer Set and intracellularly stained with Helios (clone 22F6) APC.



Human peripheral blood lymphocytes were surface stained with CD4 APC, then treated with the Nuclear Factor Fixation and Permeabilization Buffer Set and intracellularly stained with FOXP3 (clone 259D) PE.



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