

Intracellular Fixation/Permeabilization Buffer Kit

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CATALOG #
AAA178130

PRODUCT SYNONYMS

Intracellular Fixation/Permeabilization Buffer; Intracellular Fixation/Permeabilization Buffer Kit; Intracellular Fixation/Permeabilization Buffer kit

PRODUCT SPECIFICATIONS

Instruction	Dilute Permeabilization Buffer (5×) with deionized water to 1×Permeabilization Working Solution before use. For example, take 1 mL Permeabilization Buffer (5×) to 4 mL deionized water and mix fully to prepare 1× Permeabilization Working Solution.
Experimental Procedure	1. Take 1×10^6 cells in 100 uL suspension into the tube per sample. 2. [Optional] Stain cells with a Fixable Viability Dye (self-prepared). 3. [Optional] Block Fc receptors in cell suspensions according to experimental requirements. 4. Stain cell surface markers as need. 5. After incubating with the cell surface marker, add 2 mL of PBS (with 1% BSA, self-prepared) or Cell Staining Buffer , centrifuge at $300 \times g$ for 5 min, discard the supernatant. 6. Resuspend the cells with 200 uL of PBS (with 1% BSA, self-prepared) or Cell Staining Buffer . Then add 200uL of Fixation Buffer, incubate the cells at room temperature for 30–60 min in the dark (please extend the incubation time to 60 min when the room temperature is lower than 25 degree C). 7. Add 1 mL of 1×Permeabilization Working Solution to each tube and mix fully, centrifuge at $600 \times g$ for 5 min and discard the supernatant. 8. Resuspend the cells with 100 uL of 1×Permeabilization Working Solution. Add the appropriate volume of intracellular antibody or corresponding isotype control and incubate at least 30 min at room temperature in the dark. 9. Add 2 mL of PBS (with 1% BSA) or Cell Staining Buffer to each tube and centrifuge at $600 \times g$ for 5 min, discard the supernatant. 10. Resuspend the cells with appropriate PBS (with 1% BSA) or Cell Staining Buffer , then analyze the samples by flow cytometry.
Cautions	1. This kit is for research use only. 2. Permeabilization Buffer (5×) may precipitate, and it will not affect the use effect. 3. For samples with red blood cells, please lyse red blood cells first. 4. The fixation and permeabilization steps may alter the light scatter properties of cells and may increase non-specific background staining. The addition of BSA or fetal calf serum (FBS) in the staining buffer help to reduce non-specific background. It is recommended to use Fixable Viability Dye to eliminate the interference of dead cells in the data analysis process. 5. This product is compatible with most commercially available flow antibodies, but some antigenic determinants are sensitive to fixatives and the fixation time needs to be optimized for the situation. 6. For your safety and health, please wear the lab coat and disposable gloves before the experiments.
Preparation and Storage	Store at 2-8 degree C Estimated Expiration: 12 months Shipping: Ice bag

ADDITIONAL INFORMATION

Related Product Information for Intracellular Fixation/Permeabilization Buffer kit	Background: Intracellular Fixation/Permeabilization Buffer Kit has been formulated and optimized for staining intracellular antigens such as cytokines and chemokines.
Product Categories/Family for Intracellular Fixation/Permeabilization Buffer kit	Cell Apoptosis

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/kits/intracellular-fixation-permeabilization-buffer/178130>