Datasheet for ABIN1379874

Perm/Wash Buffer I

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Overview

Quantity:	125 mL
Application:	Intracellular Flow Cytometry (ICFC)

Product Details

Brand:	BD Phosflow™
Characteristics:	BD™ Phosflow Perm/Wash Buffer I is intended to be used for the intracellular staining of post-translationally modified signaling proteins. BD™ Phosflow Perm/Wash Buffer I is used to permeabilize cells and to serve as an antibody diluent and cell wash buffer. It is optimized for use with the BD™ Phosflow brand of intracellular phosphorylated signaling protein-specific antibodies. BD™ Phosflow Perm/Wash Buffer I is provided as a 10X concentrated solution containing FBS and saponin. The presence of a small amount of precipitate may be observable and will not affect the performance of the buffer. Because saponin-mediated cell permeabilization is a reversible process, it is important to keep the cells in the presence of saponin during intracellular staining.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Aqueous buffered solution containing saponin, fetal bovine serum and ≤ 0.09 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C. Do not freeze.

Publications

Product cited in:

Krutzik, Nolan: "Intracellular phospho-protein staining techniques for flow cytometry: monitoring single cell signaling events." in: **Cytometry. Part A : the journal of the International Society for Analytical Cytology**, Vol. 55, Issue 2, pp. 61-70, (2003) (PubMed).

Prussin, Metcalfe: "Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies." in: **Journal of immunological methods**, Vol. 188, Issue 1, pp. 117-28, (1996) (PubMed).

Jung, Schauer, Heusser, Neumann, Rieger: "Detection of intracellular cytokines by flow cytometry." in: **Journal of immunological methods**, Vol. 159, Issue 1-2, pp. 197-207, (1993) (PubMed).

Sander, Andersson, Andersson: "Assessment of cytokines by immunofluorescence and the paraformaldehyde-saponin procedure." in: **Immunological reviews**, Vol. 119, pp. 65-93, (1991) (PubMed).