

FOXP3 Fix/Perm Buffer Set

Catalog # / Size: 421403 / 100 tests

Storage: The FOXP3 fix/perm buffer set solution should be stored between 2°C and 8°C. **Do not freeze.** This set is guaranteed for three months.

Applications:

Applications: ICFC - *Quality tested*

Recommended Usage: The FOXP3 Fix/Perm buffer(4X) must be diluted to 1X working solution with PBS (10 mM sodium phosphate, 150 mM sodium chloride, pH 7.2) prior to staining procedures. *e.g.* Dilute one (1) part FOXP3 Fix/Perm buffer(4X) to three (3) parts PBS. The FOXP3 Perm buffer (10X) should be diluted to 1X working solution with PBS (10 mM sodium phosphate, 150 mM sodium chloride, pH 7.2) prior to staining procedures. *e.g.* Dilute one (1) part FOXP3 Perm buffer(10X) to nine (9) parts PBS.

NOTE: The FOXP3 Perm buffer (10X) may have crystallization or precipitation observed when it is stored at 2-8°C, however, it's normal and does not affect the buffer performance. If there is a heavy precipitation observed after diluted to 1X working solution, it can be filtered to clarify the solution.

Application Notes: FOXP3 Intracellular Staining Procedures:

1. Perform cell surface staining as described in BioLegend's Cell Surface Immunofluorescence Staining Protocol.
2. Add 1 ml of 1X BioLegend's FOXP3 Fix/Perm solution to each tube, vortex and incubate at room temperature in the dark for 20 minutes, then spin down the cells and remove the supernatant.
3. Wash once with cell staining buffer (Cat. No. 420201) by spin at 250Xg for 5 minutes and remove the supernatant.
4. Wash once with 1ml 1X BioLegend's FOXP3 Perm buffer.
5. Re-suspend cells in 1ml 1X BioLegend's FOXP3 Perm buffer, incubate at room temperature in the dark for 15 minutes, spin down cells and discard the supernatant, then resuspend the pellet in 100 ul of 1X BioLegend's FOXP3 Perm buffer.
6. Add appropriate amount of flurochrome conjugated anti-FOXP3 antibody and incubate at room temperature in the dark for 30 minutes.
7. Wash twice with cell staining buffer, and resuspend in 0.5ml cell staining buffer then analyze with flow cytometer with appropriate instrument setting.

- Application References:**
1. Yang ZZ, *et al.* 2006. *Blood* 107:3639.PubMed
 2. Groh V, *et al.* 2006. *Nat. Immunol.* 7:755.PubMed
 3. Bamias G, *et al.* 2007. *J. Immunol.* 178:1809.PubMed
 4. MacDonald K PA, *et al.* 2007. *Blood* doi:10.1182/blood-2007-01-067249.PubMed
 5. Müller M, *et al.* 2007. *J. Immunol.* 179:2774.
 6. Dang Y, *et al.* 2007. *Clin Cancer Res.* 13:1883.PubMed
 7. Basu S, *et al.* 2008. *J. Immunol.* 180:5974. PubMed
 8. Takamura S, *et al.* 2010. *J. Immunol.* 184:4696. PubMed
 9. Beavis, PA., *et al.* 2011. *PNAS.* 108:16717. PubMed
 10. Troutman TD, *et al.* 2012. *PNAS.* 109:273. PubMed.
 11. Faustman DL, *et al.* 2012. *PLoS One.* 7:e41756. PubMed.

Description: BioLegend's FOXP3 Fix/Perm Buffer Set has been specially formulated for intracellular staining FOXP3 with minimum effect on the surface flurochrome staining. It contains one 30 ml 4X concentrated FOXP3 Fix/Perm buffer (Cat. No. 421401) and one 25 ml 10X concentrated FOXP3 Perm buffer (Cat. No. 421402). The FOXP3 Fix/Perm buffer(4X) must be freshly diluted to 1X working solution with PBS (10 mM sodium phosphate, 150 mM sodium chloride, pH 7.2) prior to staining procedures. *e.g.* Dilute one (1) part FOXP3 Fix/Perm buffer(4X) to three (3) parts PBS. The FOXP3 Perm buffer (10X) should be diluted to 1X working solution with PBS (10 mM sodium phosphate, 150 mM sodium chloride, pH 7.2) prior to staining procedures. *e.g.* Dilute one (1) part FOXP3 Perm buffer(10X) to nine (9) parts PBS. **Caution:** The FOXP3 Fix/Perm 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	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	Purified anti-mouse/rat/human FOXP3	150D	WB, IHC, ICFC
	Alexa Fluor® 488 anti-mouse/rat/human FOXP3	150D	ICFC
	Alexa Fluor® 647 anti-mouse/rat/human FOXP3	150D	ICFC
	Purified anti-human FOXP3	206D	WB, ICFC, IHC
	Purified anti-human FOXP3	259D	WB, IHC, ICFC
	Alexa Fluor® 488 anti-human FOXP3	259D	ICFC
	Alexa Fluor® 488 anti-human FOXP3	206D	ICFC
	Alexa Fluor® 647 anti-human FOXP3	206D	ICFC



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