

BD FACSelect™ Buffer Compatibility Resource

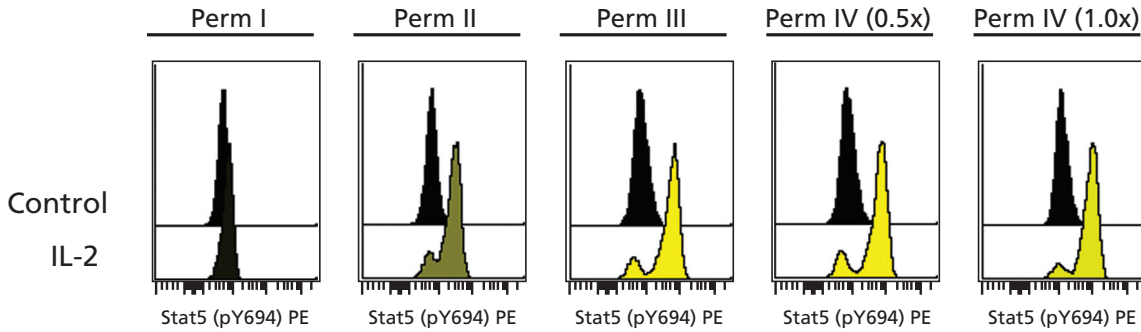


Figure 2. Perm buffer choice impacts the ability to resolve activated (phosphorylated) proteins from basal levels of activation. To induce protein phosphorylation, human PBMCs were stimulated at 37°C with 100 ng/mL of recombinant human IL-2 for 15 minutes. Cells were fixed using BD Cytotix™ fixation buffer and permeabilized using BD Phosflow™ perm buffer I, II, III, or IV, prior to staining with PE-conjugated, pY694 phosphospecific Stat5 antibody. Histogram overlays show IL-2 stimulated samples (front) vs unstimulated controls (back).

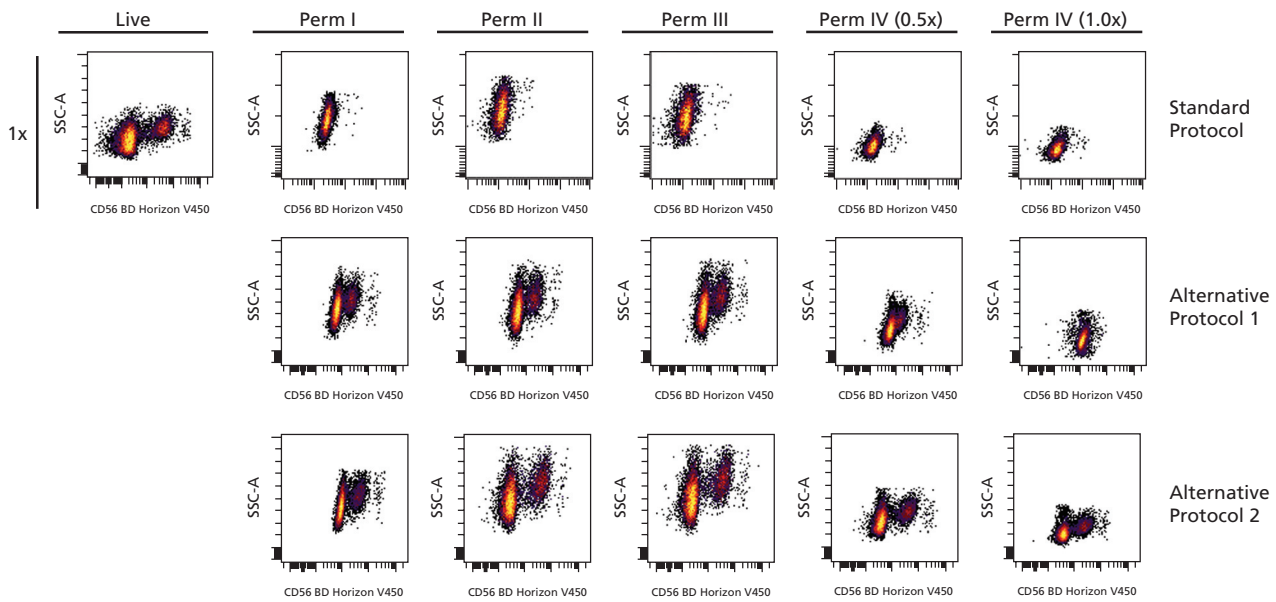


Figure 3. Surface marker expression can be impacted by the staining protocol used. In this example, CD56 from human whole blood was stained after fixation and permeabilization (Standard Protocol), before permeabilization (Alternative Protocol 1), or before fixation (Alternative Protocol 2). In all three Fix/Perm protocols, cells were processed using BD Phosflow™ lyse/fix buffer, and BD Phosflow™ perm buffer I, II, III, or IV. BD FACS™ lysing solution was used for live cell staining.

Ordering Information

| Description | Size | Cat.No. |
|--------------------------------|--------|---------|
| BD Phosflow Perm/Wash Buffer I | 125 mL | 557885 |
| BD Phosflow Perm Buffer II | 125 mL | 558052 |
| BD Phosflow Perm Buffer III | 125 mL | 558050 |
| BD Phosflow Perm Buffer IV | 50 mL | 560746 |
| BD Cytotix Fixation Buffer | 100 mL | 554655 |
| BD Phosflow Lyse/Fix Buffer | 250 mL | 558049 |



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