

Figure 20. Apoptosis of CD3⁺ cells in axillary lymph node cells on day 7 after vehicle/TCDD treatment and footpad immunizations with anti-CD3 mAbs. One week after vehicle/TCDD treatment and rear footpad immunization with anti-CD3 antibodies, axillary lymph nodes from oil-treated (A, D, G) and TCDD-treated animals (B, E, H) were removed. Cells were stained immediately (A, B, C), or cultured for 24 hours with RPMI (D, E, F) or with anti-CD3 mAbs (G, H, I). Cells were stained with PE-conjugated CD3 and FITC-dUTP. A, B, D, E, G, and H show dual parameter histograms in which quadrant 1 represents CD3⁺ non-apoptotic cells, quadrant 2, CD3⁺ apoptotic cells, quadrant 3, CD3⁻ non-apoptotic cells, and quadrant 4, CD3⁻ apoptotic cells. C, F, and G are single parameter histograms in which the cells were analyzed for green (FITC) fluorescence. In C, F, and I, the bold histograms represent the vehicle controls and dotted histograms represent TCDD-exposed cells.

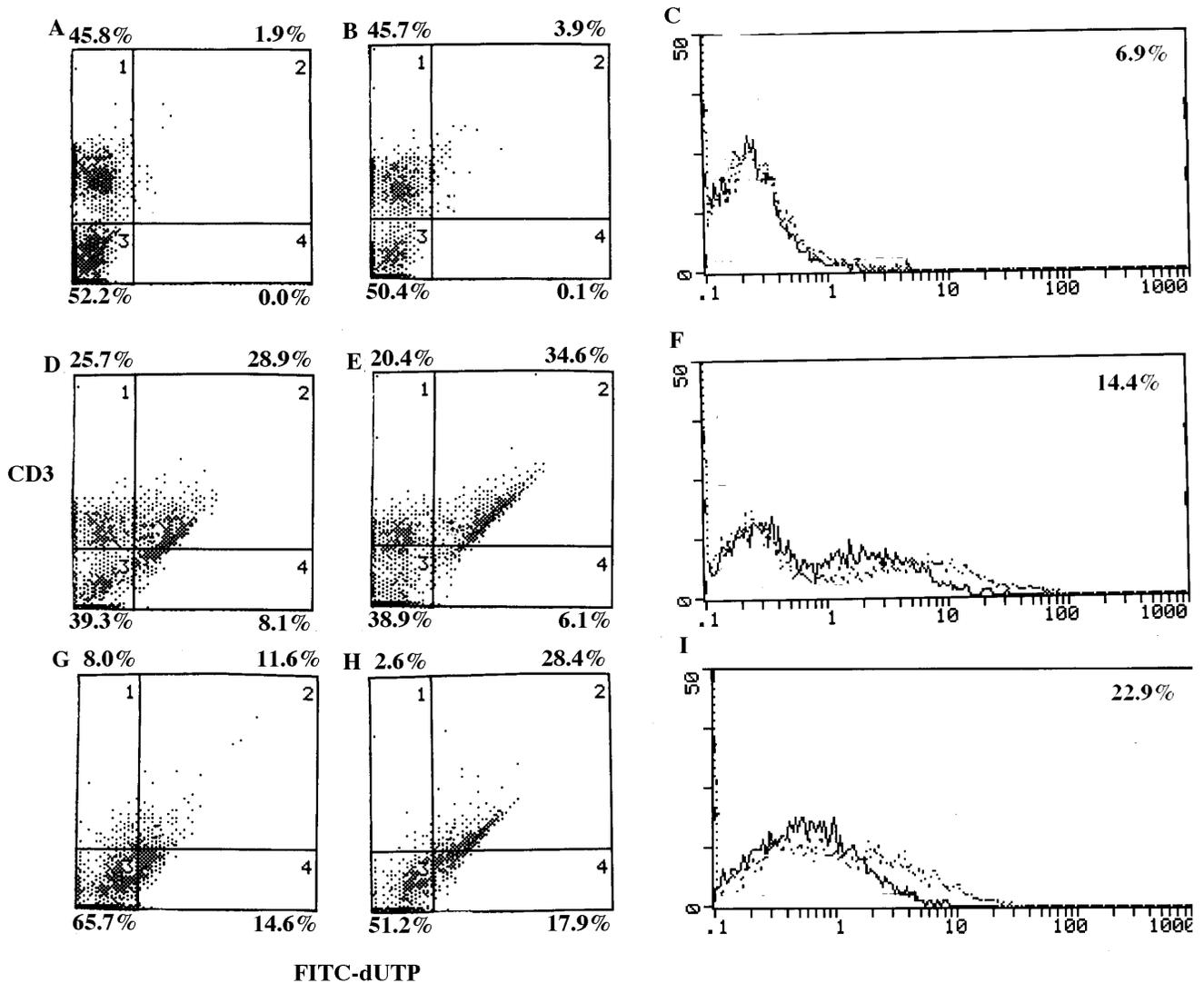


Figure 21. Apoptosis of CD3⁺ cells in popliteal lymph node cells on day 7 after vehicle/TCDD treatment and footpad immunizations with anti-CD3 mAbs. One week after vehicle/TCDD treatment and rear footpad immunization with anti-CD3 antibodies, popliteal lymph nodes from oil-treated (A, D, G) and TCDD-treated animals (B, E, H) were removed. Cells were stained immediately (A, B, C), or cultured for 24 hours with RPMI (D, E, F) or with anti-CD3 mAbs (G, H, I). Cells were stained with PE-conjugated CD3 and FITC-dUTP. A, B, D, E, G, and H show dual parameter histograms in which quadrant 1 represents CD3⁺ non-apoptotic cells, quadrant 2, CD3⁺ apoptotic cells, quadrant 3, CD3⁻ non-apoptotic cells, and quadrant 4, CD3⁻ apoptotic cells. C, F, and G are single parameter histograms in which the cells were analyzed for green (FITC) fluorescence. In C, F, and I, the bold histograms represent the vehicle controls and dotted histograms represent TCDD-exposed cells.