Figure 1: Identification of Epithelial Cells in the Spinal Cord

- Clustered epithelial structures were observed in the spinal cord of a small number of rats after transplantation of oligodendroglial progenitors differentiated in vitro from hES cells
- Identified as epithelial cells by typical histomorphology

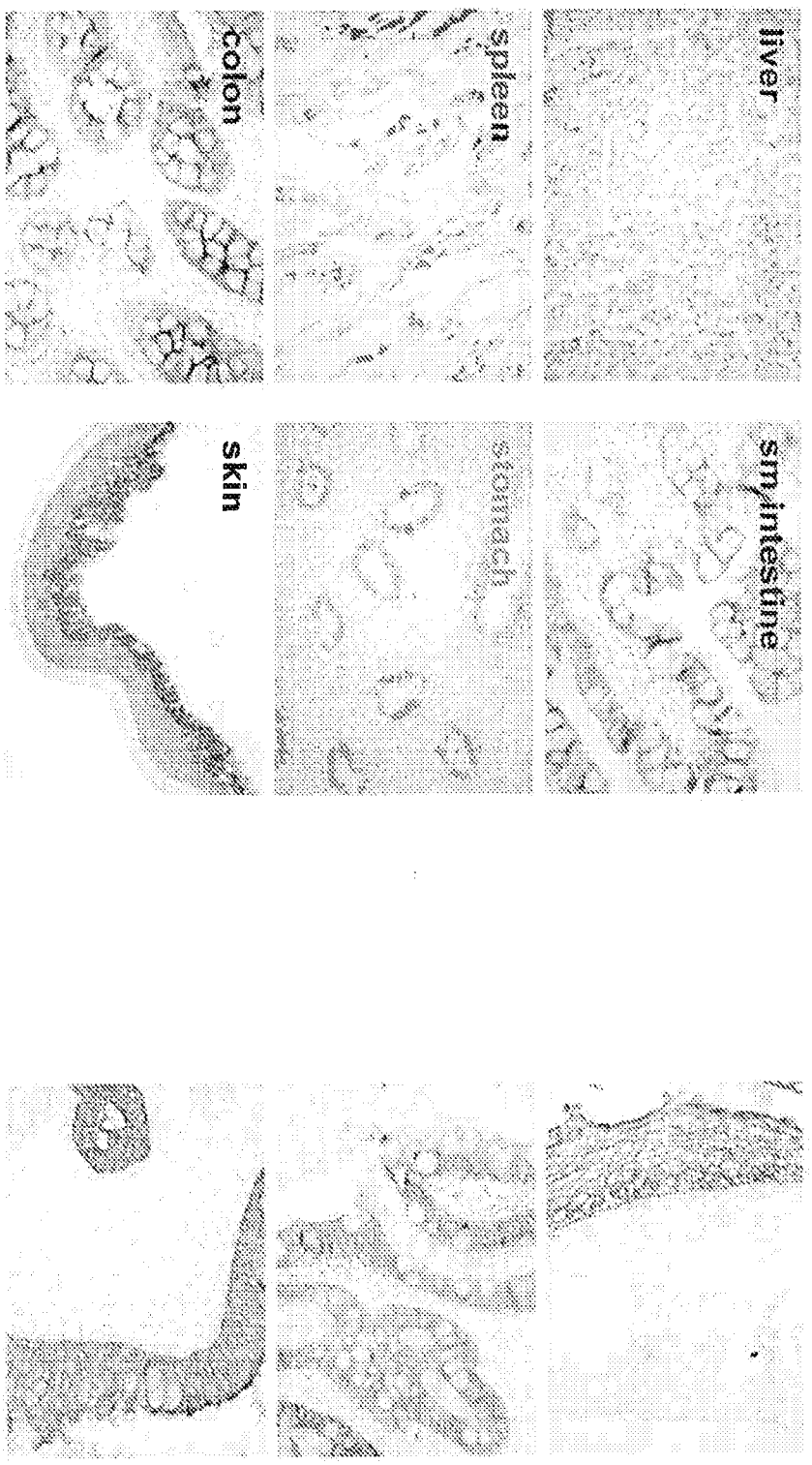


Figure 2: Pan-Cytokeratin (AE1/AE3) Antibody

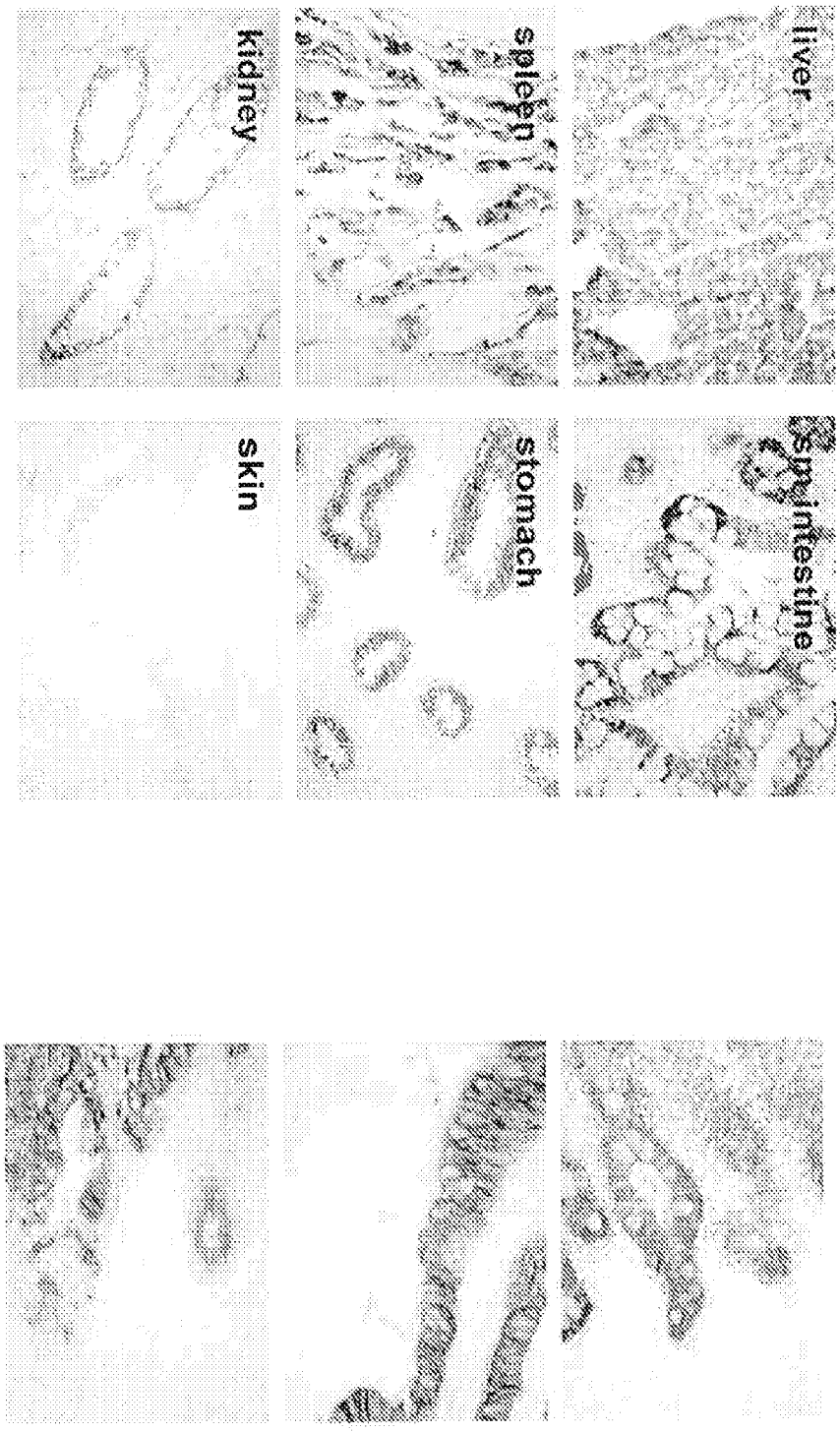


Figure 3: Ber-EP4 EpCAM Antibody

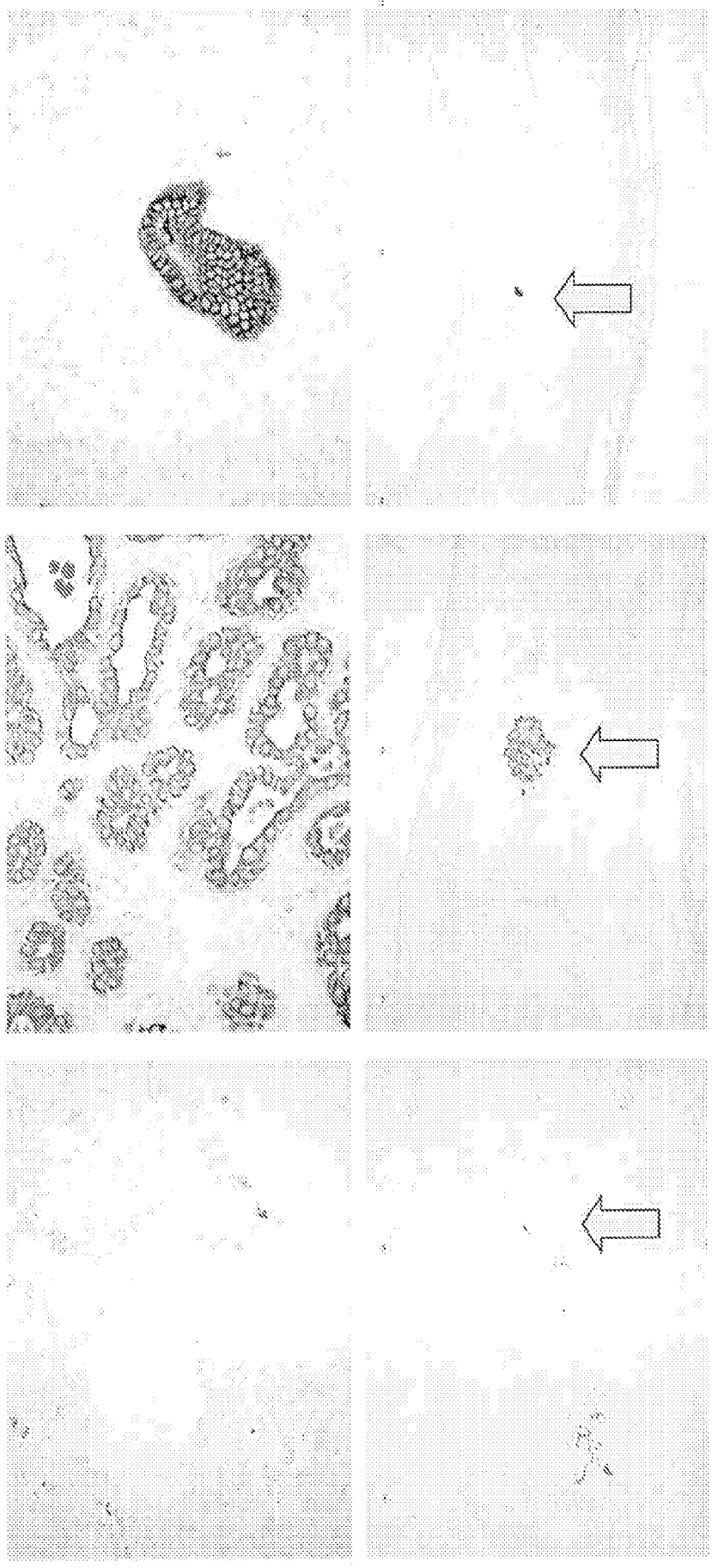


Figure 4: Pan-Cytokeratin (AE1/AE3) Antibody
Clustered Epithelial Structures in Rat Spinal Cord After Administration of oligodendroglial progenitors differentiated in vitro from hES cells

Figure 5: Ber-EP4 EpCAM Antibody
Clustered Epithelial Structures in Rat Spinal Cord After Administration of oligodendroglial progenitors differentiated in vitro from hES cells

Figure 6: Pan-Cytokeratin (AE1/AE3) Antibody and Ber-EP4 EpCAM Antibody Epithelial Cystic Structures in Rat Spinal Cord After Administration of oligodendroglial progenitors differentiated in vitro from hES cells

Figure 7: Pan-Cytokeratin (AE1/AE3) Antibody and Ber-EP4 EpCAM Antibody Clustered Epithelial Structures in Rat Spinal Cord After Administration of oligodendroglial progenitors differentiated in vitro from hES cells

Figure 8: Pan-Cytokeratin (AE1/AE3) Antibody and Ber-EP4 EpCAM Antibody Clustered Epithelial Structures in Rat Spinal Cord After Administration of oligodendroglial progenitors differentiated in vitro from hES cells

Fig. 9A

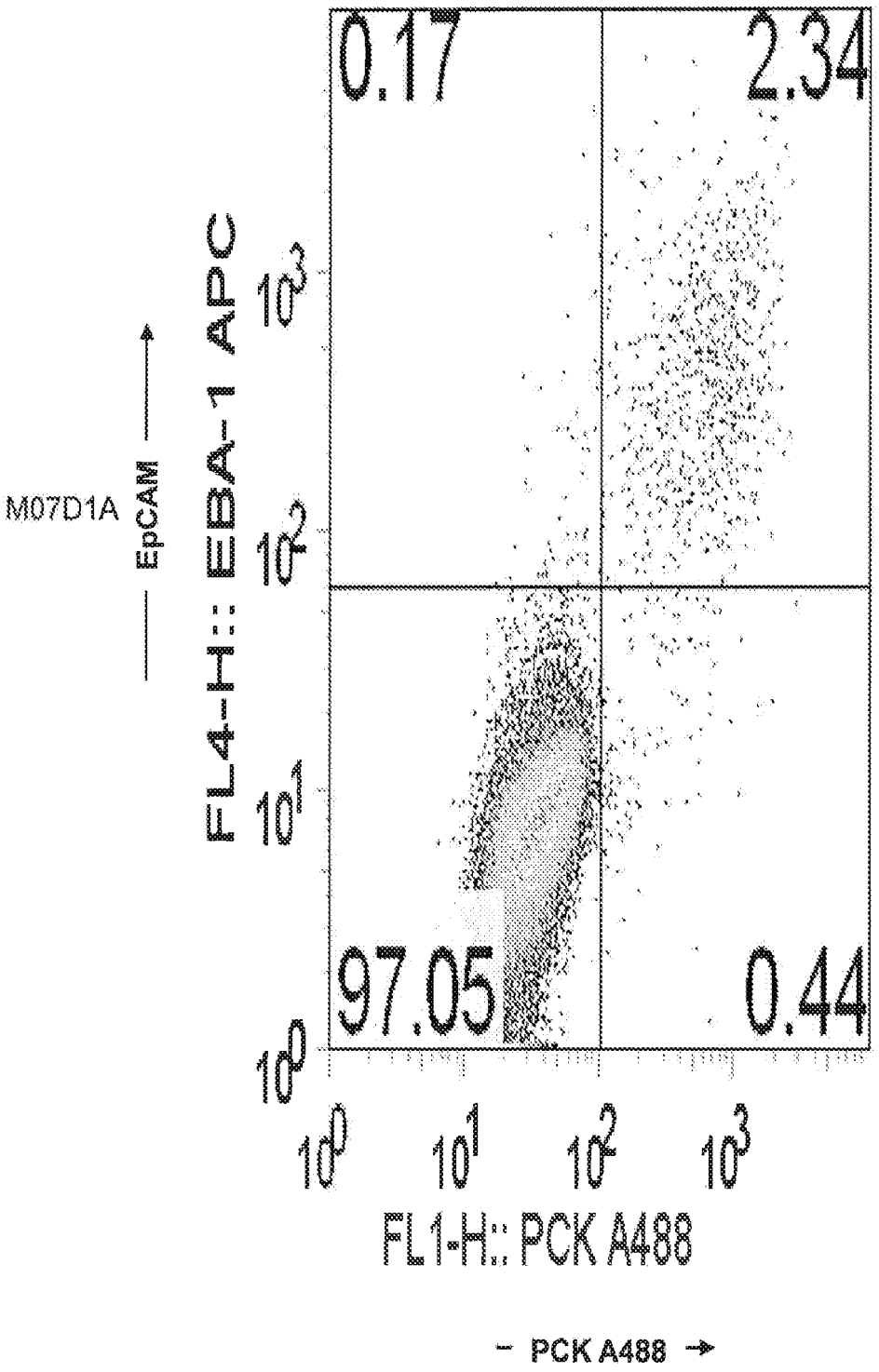
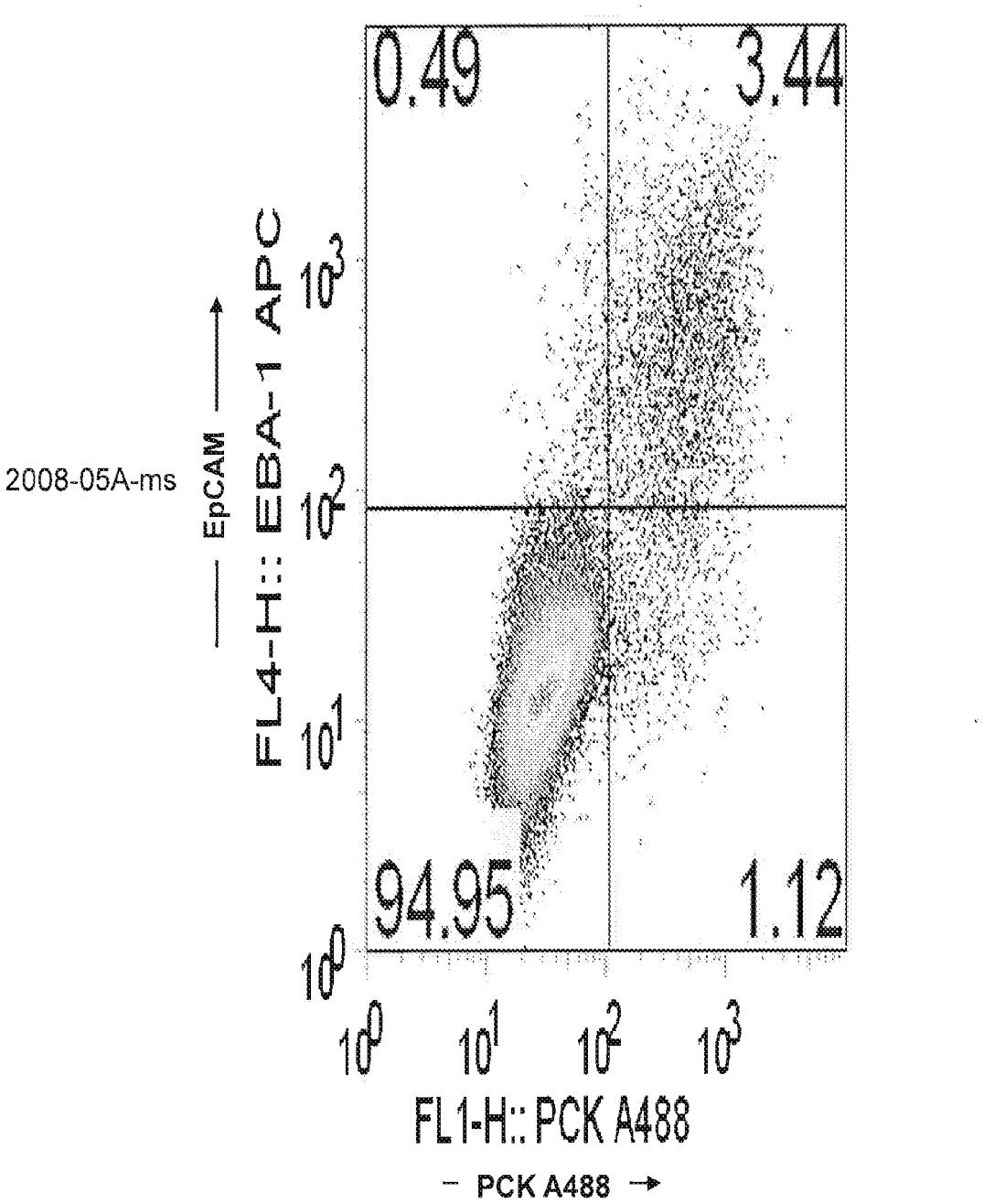

0.17
2.34
97.05
0.44
M07D1A — EpCAM →
FL4-H:: EBA-1 APC
10^0
10^1
10^2
10^3
FL1-H:: PCK A488
← PCK A488 →

Fig. 9B


0.49
3.44
94.95
1.12
2008-05A-ms
FL4-H:: EBA-1 APC
EpCAM
10^3
10^2
10^1
10^0
10^0 10^1 10^2 10^3
FL1-H:: PCK A488
PCK A488

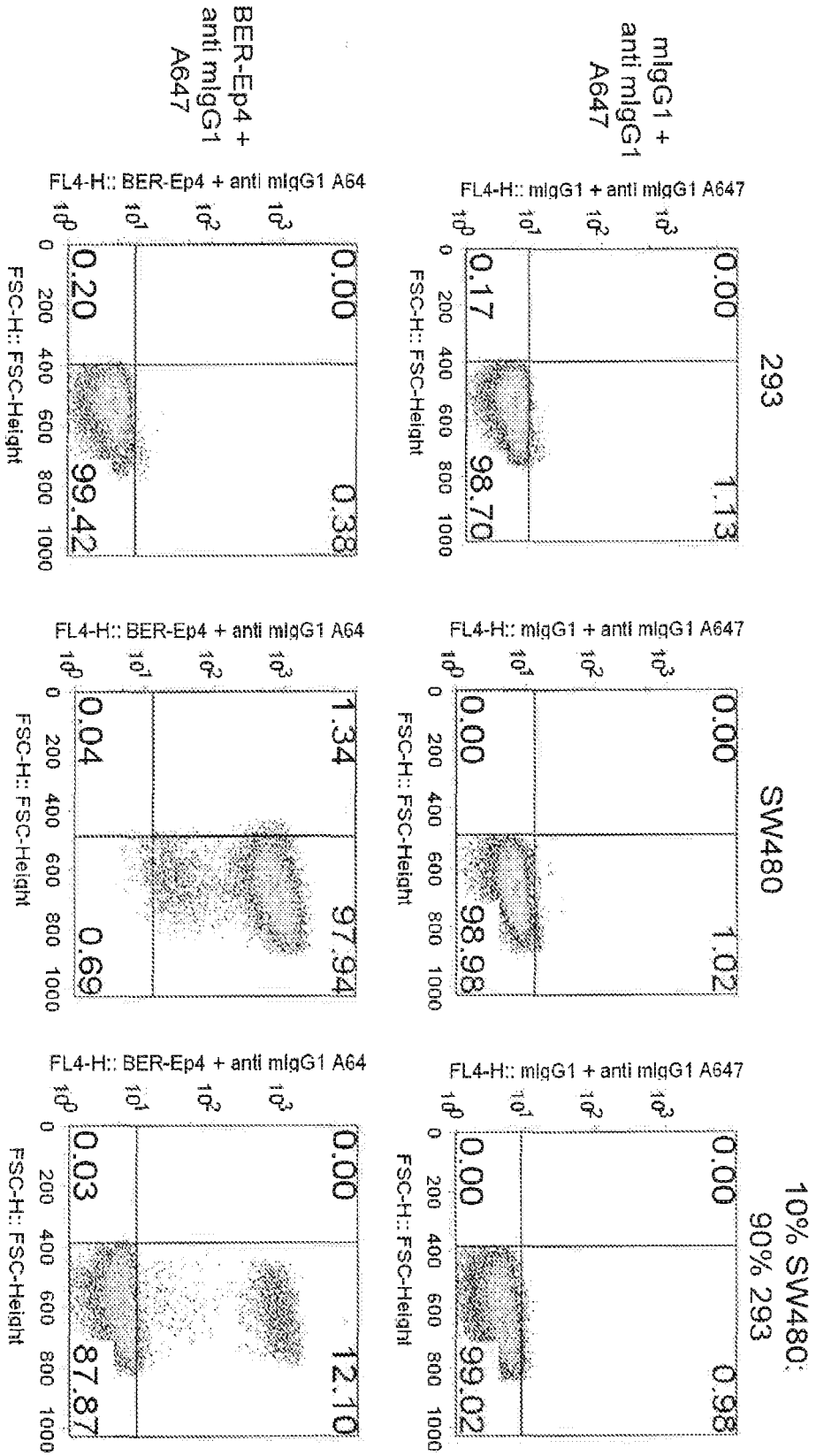

293
SW480
10% SW480:
90% 293
mIgG1 + anti mIgG1 A647
BER-Ep4 + anti mIgG1 A647
FL4-H:: mIgG1 + anti mIgG1 A647
FL4-H:: BER-Ep4 + anti mIgG1 A64
FSC-H:: FSC-Height
0.17
98.70
0.00
1.13
0.20
99.42
0.38
0.00
0.00
98.98
1.02
0.04
0.69
97.94
1.34
0.03
87.87
12.10
0.00
0.00
99.02
0.98

Fig. 10A

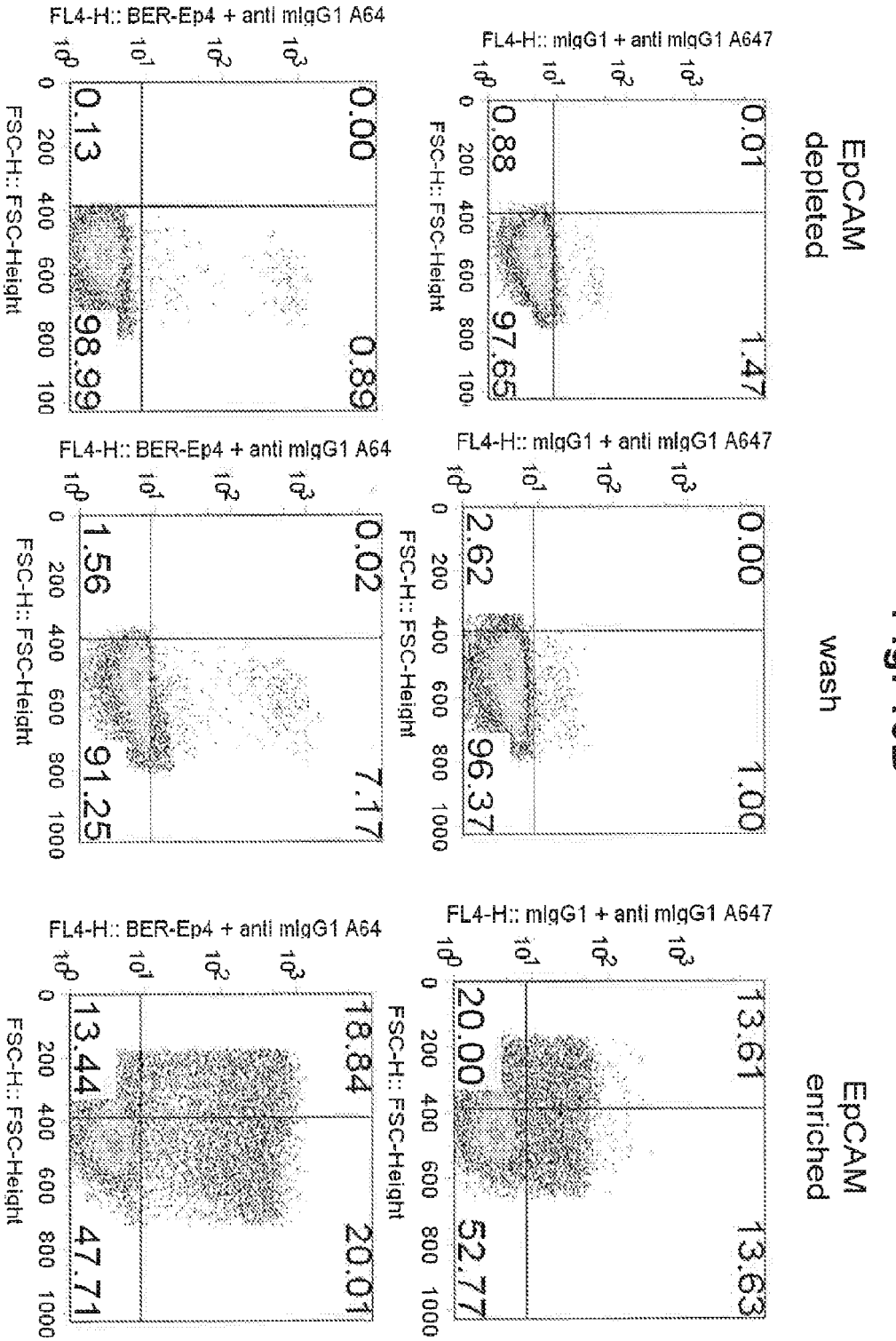

EpCAM depleted
wash
EpCAM enriched
FL4-H:: mIgG1 + anti mIgG1 A647
FL4-H:: BER-Ep4 + anti mIgG1 A64
FSC-H:: FSC-Height
0.01
1.47
0.88
97.65
0.00
0.89
0.13
98.99
0.00
1.00
2.62
96.37
0.02
7.17
1.56
91.25
13.61
13.63
20.00
52.77
18.84
20.01
13.44
47.71

Fig. 10B

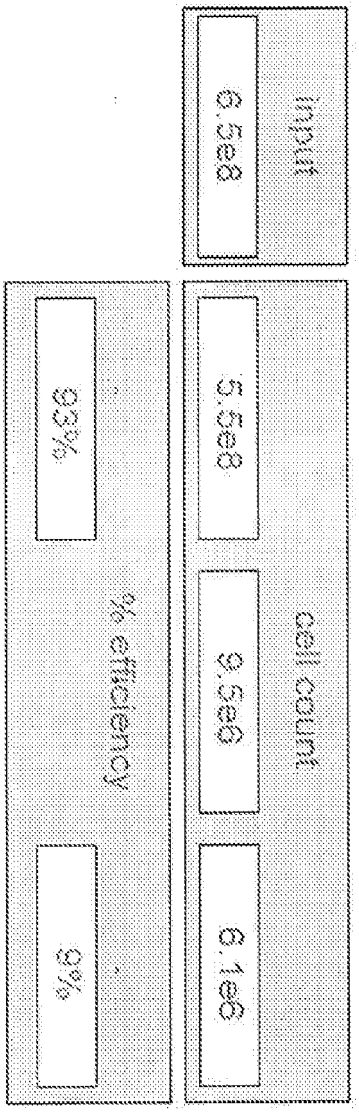


Fig. 10C

Fig. 11: Directly conjugated anti EpCAM beads successfully remove both TRA-1-60+ and PCK+ cells

