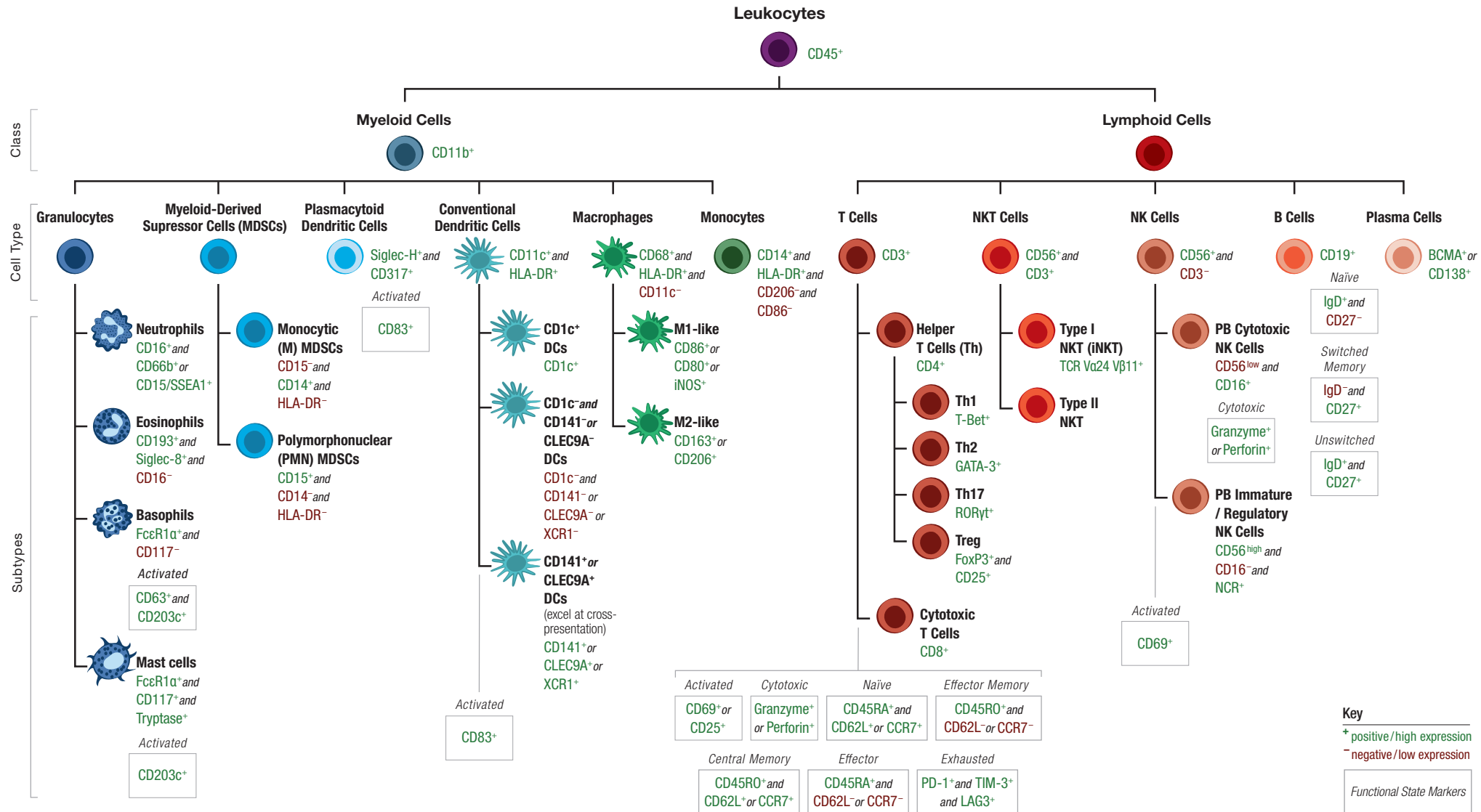


# Tumor-Infiltrating Immune Cell Marker Guide for Flow Cytometry (Human)



rev. 11/20/18

For pathway key and background, please visit:

[cst-science.com/humanmarker-flow](http://cst-science.com/humanmarker-flow)

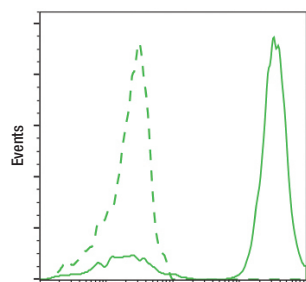
# Key Products for Tumor-Infiltrating Immune Cell Marker Guide for Flow Cytometry (Human)

Visit [www.cellsignal.com](http://www.cellsignal.com) for full listing of antibodies, related kits, and reagents.

## PRODUCT NAME

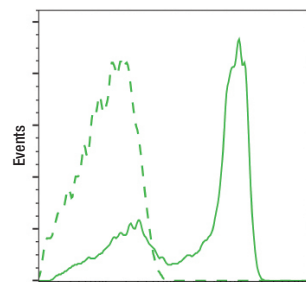
## PRODUCT NUMBER

|                                    | violetFluor™ 450 | FITC  | Alexa Fluor® 488 | PE    | APC   | Alexa Fluor® 647 | PerCP | PerCP-Cy®5.5 | redFluor™ 710 | APC-Cy®7 | PE-Cy®7 |
|------------------------------------|------------------|-------|------------------|-------|-------|------------------|-------|--------------|---------------|----------|---------|
| CD3 (UCHT1) Mouse mAb              | 61347            | 86774 |                  | 46233 | 19881 |                  |       | 31767        | 44330         | 72359    | 62670   |
| CD4 (RPA-T4) Mouse mAb             | 26755            | 48705 |                  | 55927 | 78292 |                  |       | 46699        |               | 94467    | 66182   |
| CD8a (RPA-T8) Mouse mAb            | 25109            | 55397 |                  | 88829 | 64915 |                  |       | 75003        | 86135         | 26030    | 27442   |
| CD11b/ITGAM (M1/70) Rat mAb        | 70078            | 24442 |                  | 24965 | 41249 |                  |       | 85601        | 55274         | 81222    |         |
| CD11c (3.9) Mouse mAb              | 97473            | 69627 |                  | 56025 | 36268 |                  |       |              | 42847         | 51562    | 80342   |
| CD14 (61D3) Mouse mAb              | 82944            | 29943 |                  | 59896 | 36377 |                  |       | 99811        | 64342         |          | 44947   |
| CD19 (SJ25C1) Mouse mAb            |                  | 49255 |                  | 60751 | 31943 |                  | 47432 |              |               |          | 78813   |
| CD28 (CD28.2) Mouse mAb            |                  | 15666 |                  | 27826 | 73906 |                  |       | 25544        |               |          | 82076   |
| CD44 (IM7) Rat mAb                 | 53289            | 75122 |                  | 88151 | 80813 |                  |       | 38200        | 63882         | 86109    | 43675   |
| CD45 (HI30) Mouse mAb              | 74292            | 86532 |                  | 89492 | 98228 |                  |       | 32125        | 39170         | 77322    | 28418   |
| CD68 (D4B9C) XP® Rabbit mAb        |                  |       | 24850            | 79594 |       |                  |       |              |               |          |         |
| CD161/KLRB1 (HP-3G10) Mouse mAb    | 26540            | 67086 |                  | 83130 | 51113 |                  |       |              | 26217         |          |         |
| EOMES (D8D1R) Rabbit mAb           |                  |       |                  | 17984 |       | 42582            |       |              |               |          |         |
| GATA-3 (D13C9) XP® Rabbit mAb      |                  |       |                  | 13411 |       |                  |       |              |               |          |         |
| Granzyme B (D2H2F) Rabbit mAb      |                  |       | 33359            | 65563 |       | 50590            |       |              |               |          |         |
| HLA-DR (L243) Mouse mAb            |                  | 54126 |                  | 78397 |       |                  | 17634 |              | 46861         | 92482    |         |
| IL2-Ra/CD25 (BC69) Mouse mAb       |                  |       |                  | 62957 | 20164 |                  |       |              |               |          | 43212   |
| NCAM1 (CD56) (MY31) Mouse mAb      |                  | 67184 |                  | 73521 | 51997 |                  |       |              |               |          | 42804   |
| T-Bet/TBX21 (D6N8B) XP® Rabbit mAb |                  |       | 14298            |       |       | 14307            |       |              |               |          |         |
| TIM-3 (D5D5R™) XP® Rabbit mAb      |                  |       | 54669            | 67761 |       | 78226            |       |              |               |          |         |
| TNFRSF17/BCMA (E607B) Rabbit mAb   |                  |       |                  | 45576 |       | 29421            |       |              |               |          |         |



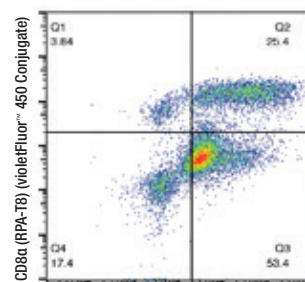
CD3 (UCHT1) (APC Conjugate)

**CD3 (UCHT1) Mouse mAb (APC Conjugate) #19881:** Flow cytometric analysis of live human peripheral blood mononuclear cells using #19881 (solid line) compared to concentration-matched Mouse (MOPC-21) mAb IgG1 Isotype Control (APC Conjugate) #49083 (dashed line).



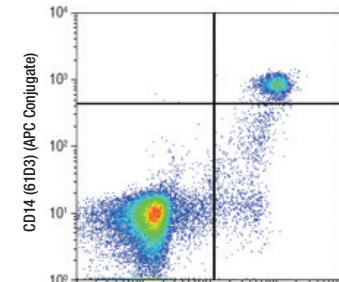
CD4 (RPA-T4) (FITC Conjugate)

**CD4 (RPA-T4) Mouse mAb (FITC Conjugate) #48705:** Flow cytometric analysis of live human peripheral blood mononuclear cells using #48705 (solid line) compared to concentration-matched Mouse (MOPC-21) mAb IgG1 Isotype Control (FITC Conjugate) #97146 (dashed line).



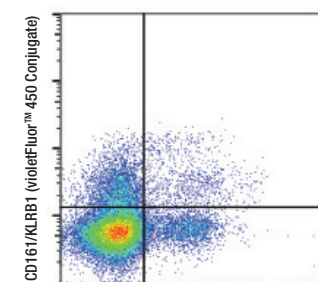
Granzyme B (Alexa Fluor® 647 Conjugate)

**Granzyme B (D2H2F) Rabbit mAb (Alexa Fluor® 647 Conjugate) #50590:** Flow cytometric analysis of human peripheral blood mononuclear cells treated with anti-CD3 plus anti-CD28 (10 µg/ml, 72 hr), using #50590 and co-stained with CD8a (RPA-T8) (violetFluor™ 450 Conjugate) #25109.



CD68 (D4B9C) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)

**CD68 (D4B9C) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate) #24850:** Flow cytometric analysis of human peripheral blood mononuclear cells co-stained with anti-human CD14 (61D3) Mouse mAb (APC Conjugate) #36377 using #24850.



NCAM1 (CD56) (MY31) (PE-Cy7® Conjugate)

**NCAM1 (CD56) (MY31) Mouse mAb (PE-Cy7® Conjugate) #42804:** Flow cytometric analysis of live human peripheral blood mononuclear cells using #42804 and co-stained with CD161/KLRB1 (HP-3G10) Mouse mAb (violetFluor™ 450 Conjugate) #26540.