# Human Activated T Cell Panel

Catalog Number: RK40006

Size: 1 Box

## ◆ Description

The 5-fluorescence Human Activated T Cell Panel has been designed for identify and phenotype $CD3^+$ activated T cells in Human blood or tissue samples.

ABflo® multi-fluorescence panel RK40006 covers the core CD markers of CD25, CD3, CD4, CD8 and CD69. Our plots showed clear subgroups of $CD3^+$ T cells, $CD4^+CD3^+$ T cells, $CD8^+CD3^+$ T cells and $CD25^+CD69^+$ activated T cells (cite figures).

## ◆ Applications

FC

## ◆ Reactivity

Human

## ◆ Components

| Target | Catalog No. | Fluorochrome | Ex/Em (nm) | Isotype | Clone | Size | Vol. Per Test |
|---|---|---|---|---|---|---|---|
| CD25 | A26773 | PE | 565/574 | Rabbit IgG | ARC58045-PE | 100T | 5 μL |
| CD3 | A25189 | ABflo® 450 | 406/445 | Mouse IgG2a | AMC50002-ABf450 | 100T | 5 μL |
| CD4 | A26218 | ABflo® 610 | 421/612 | Rabbit IgG | ARC5142-01-02 | 100T | 5 μL |
| CD8 | A23345 | ABflo® 488 | 491/516 | Rabbit IgG | ARC55248-ABf488 | 100T | 5 μL |
| CD69 | A25892 | ABflo® 647 | 648/664 | Rabbit IgG | ARC68505-ABflo647 | 100T | 5 μL |



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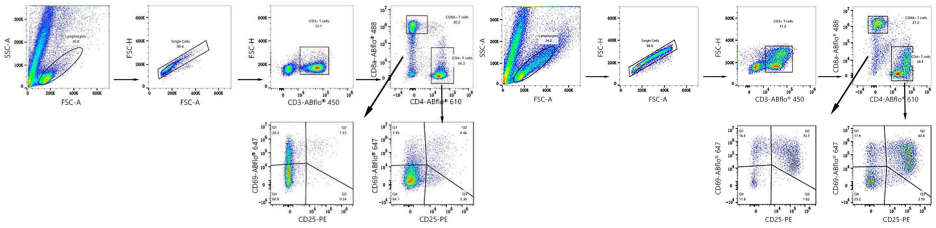
Note:

This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100 µl experimental sample (a test).

## ◆ Storage

Store at 4℃. Avoid freeze/thaw cycles.

## ◆ Validation Data



Multicolor flow cytometry panel to identify human activated T cells. Unstimulated (left panel) and stimulated (right panel) PBMCs were surface stained with ABflo® 450 Mouse anti-Human CD3 mAb (A25189,5 µL/Test), ABflo® 610 Rabbit anti-Human CD4 mAb (A26218,5 µL/Test), ABflo® 488 Rabbit anti-Human/Monkey CD8a mAb (A23345,5 µL/Test), PE Rabbit anti-Human CD25 mAb (A26773,5 µL/Test) and ABflo® 647 Rabbit anti-Human CD69 mAb (A25892,5 µL/Test). All antibodies are validated for Flow cytometry. CD3 T lymphocytes are defined as $CD3^+$; CD4 T cells are defined as $CD4^+CD3^+$; CD8 T cells are defined as $CD8^+CD3^+$; activated T cells are defined as $CD25^+CD69^+$.



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