Human TBNK Panel

Catalog Number: RK40002

Size：1 Box

◆ Description

The 6-fluorescence Human TBNK panel has been designed for reliable identification of human T, B, and NK lymphocyte populations in human blood or tissue samples.

ABflo® multi-fluorescence panel RK40002 covers the core CD markers of CD45, CD3, CD19, CD56, CD4, and CD8a. Our plots showed clear subgroups of CD3$^+$ T cells, CD4$^+$ Th cells, CD8$^+$ CTL cells, CD19$^+$ B cells, CD56^{bright} NK cells, CD56^{dim} NK cells, CD19$^+$ CD56$^+$ NK cell subsets, and CD3$^+$ CD56$^+$ NK T cells (cite figures).

◆ Applications

FC

◆ Reactivity

Human

◆ Components

Target	Catalog No.	Fluorochrome	Ex/Em (nm)	Isotype	Clone	Size	Vol. Per Test
CD45	A22494	ABflo® 488	491/516	Rabbit IgG	ARC5024-ABf488	100 T	5 µL
CD3	A22797	PerCP-Cy5.5	482/695	Mouse IgG1	AMC0533	100 T	10 µL
CD4	A25282	ABflo® 594	588/604	Rabbit IgG	ARC5142-ABf594	100 T	5 µL
CD8a	A24799	APC	650/660	Rabbit IgG	ARC55248-APC	100 T	5 µL

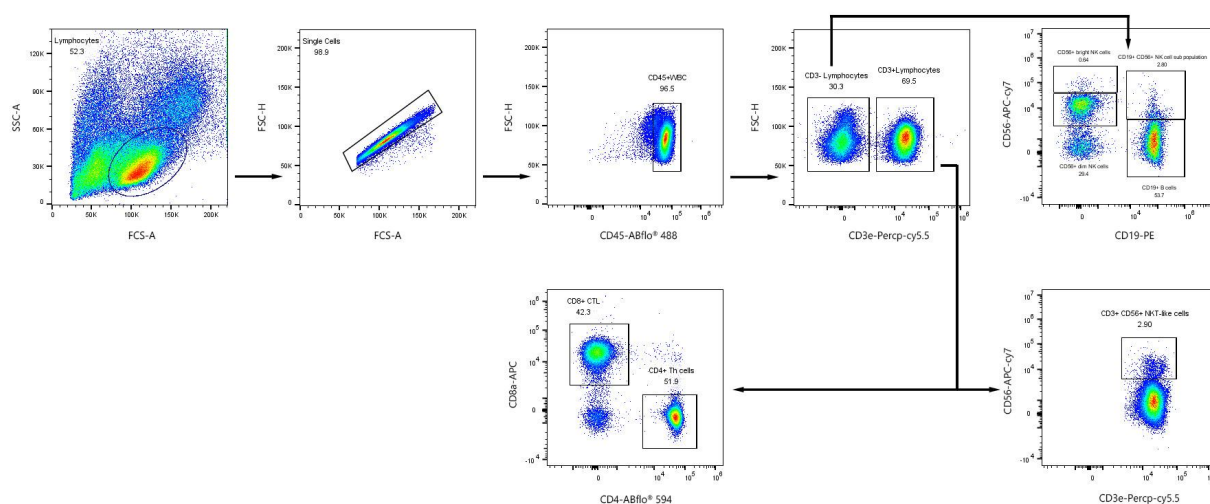| CD19 | A22816 | PE | 565/574 | Mouse IgG1 | AMC0541 | 100 T | 10 μL |
| CD56 | A22828 | APC-Cy7 | 651/779 | Mouse IgG1 | AMC0544 | 100 T | 10 μL |

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 T cells, B cells,and NK cells. PBMCs were stained with anti-human CD45 ABflo® 488, CD3 Percp-Cy5.5, CD4 ABflo® 594, CD8a APC, CD19 PE, CD56 APC-Cy7. All antibodies are validated for cytometry. CD4 T cells are defined as $CD3^+CD4^+$; CD8 T cells are defined as $CD3^+CD8a^+$; B cells are $CD3^-CD19^+$; NK cells are $CD3^-CD56^+$; NKT cells are $CD3^+CD56^+$.