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, and $CD3^+$ $CD56^+$ NKT 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	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	100 T	5 μL
CD8a	A24799	APC	650/660	Rabbit IgG	ARC55248	100 T	5 μL

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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

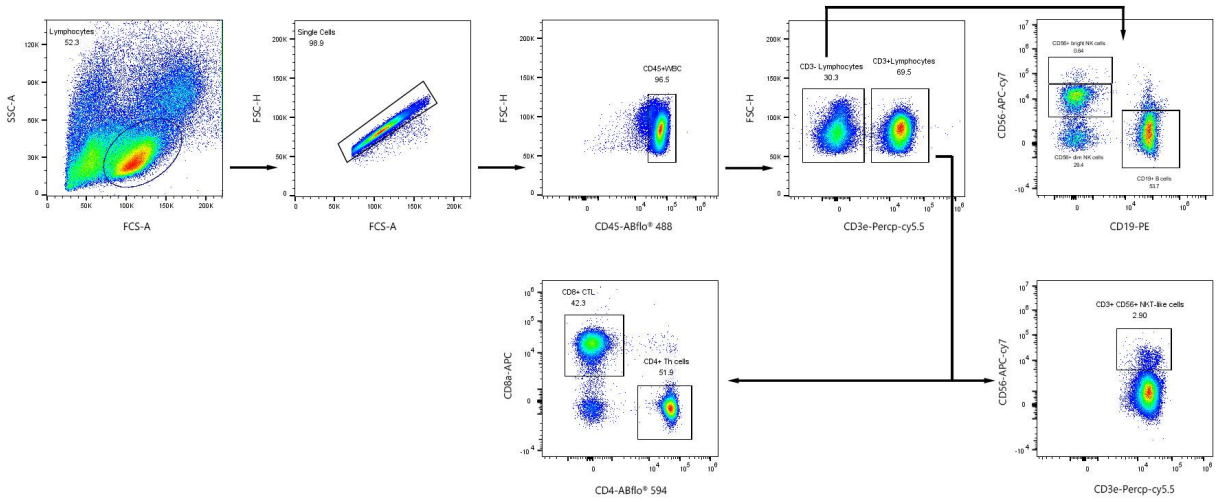
Note:

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 TBNK cell subsets. Human PBMC were surface stained with ABflo® 488 Rabbit anti-Human/Monkey CD45 mAb (A22494,5 μL/Test), PerCP/Cyanine5.5 Mouse anti-Human CD3 mAb (A22797,5 μ L/Test), ABflo® 594 Rabbit anti-Human/Monkey CD4 mAb (A25282,5 μ L/Test), APC Rabbit anti-Human/Monkey CD8a mAb (A24799,5 μ L/Test), PE Mouse anti-Human CD19 mAb (A22816,5 μ L/Test), APC/Cyanine7 Mouse anti-Human CD56 mAb (A22828,5 μL/Test). All antibodies are validated for Flow cytometry. $CD4^+$ T lymphocytes are defined as $CD3^+CD4^+$; $CD8^+$ T lymphocytes are defined as $CD3^+CD8^+$; B cells are $CD3^-CD19^+$; NK cells are defined as $CD3^-CD56^{bright}$, $CD3^-CD56^{dim}$; NKT cells are $CD3^+CD56^+$.

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