

Mouse B cells/NK cells /Treg cells Panel

Catalog Number: RK40015

Size: 1 Box

◆ Description

The 8-fluorescence Mouse B cells/NK cells /Treg cells Panel has been designed for identify and phenotype B cells/NK cells /Treg cells in Mouse blood or tissue samples.

ABflo® multi-fluorescence panel RK40015 covers the core CD markers of CD45, CD45R/B220, CD3, CD4, CD25, CD49b, CD8a and FOXP3. Our plots showed clear subgroups of CD45⁺CD45R/B220⁺CD3⁻ B cells, CD45⁺CD45R/B220⁻CD49b⁺ NK cells and CD4⁺CD25⁺FOXP3⁺ Treg cells (cite figures).

◆ Applications

FC

◆ Reactivity

Mouse

◆ Components

Target	Catalog No.	Fluorochrome	Ex/Em (nm)	Isotype	Clone	Size	Vol. Per Test
CD45	A23709	ABflo® 594	588/604	Rabbit IgG	ARC60962-ABflo594	100T	5 µL
CD3	A27432	ABflo® 700	690/713	Rat IgG2b	ATC0031-ABflo700	100T	5 µL
CD4	A25941	ABflo® 450	406/445	Rabbit IgG	ARC64069-ABflo450	100T	5 µL
CD25	A26820	APC/Cyanine7	651/779	Rabbit IgG	ARC54525-APC-Cy7	100T	5 µL

CD49b	A26560	ABflo®647	648/664	Rabbit IgG	ARC69348-ABflo647	100T	5 µL
Foxp3	A26227	PE	565/574	Rabbit IgG	ARC68296-PE	100T	5 µL
CD45R/ B220	A25655	FITC	491/516	Rat IgG2a, k appa	ATC0011	100 µg	2 µL
CD8a	A27333	ABflo®500	410/501	Rabbit IgG	ARC60677-ABflo500	100T	5 µL

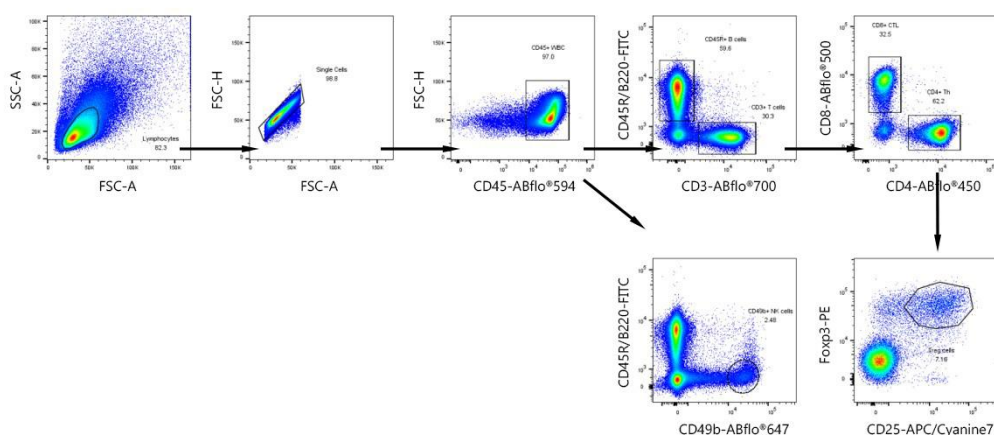
Note:

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°C. Avoid freeze/thaw cycles.

◆ Validation Data



Multicolor flow cytometry panel to identify Mouse B cells, NK cells and Treg cells. C57BL/6 mouse splenocytes were surface stained with ABflo® 594 Rabbit anti-Mouse CD45 mAb (A23709, 5 µL/Test), FITC anti-Mouse/Human CD45R/B220 mAb (A25655, 5 µL/Test), ABflo® 700 Rat anti-Mouse CD3 mAb (A27432, 5 µL/Test), ABflo® 450 Rabbit anti-Mouse CD4 mAb (A25941, 5 µL/Test), APC/Cyanine7 Rabbit anti-Mouse CD25 mAb (A26820, 5 µL/Test), ABflo® 647 Rabbit anti-Mouse Integrin alpha 2/CD49b mAb (A26560, 5 µL/Test), ABflo® 500 Rabbit anti-Mouse CD8a mAb

(A27333, 5 µL/Test), and then intracellularly-stained with PE Rabbit anti-Mouse FOXP3 mAb (A26227, 5 µL/Test).

All antibodies are validated for Flow cytometry. Mouse B cells are defined as CD45⁺CD45R/B220⁺CD3⁻; NK cells are defined as CD45⁺CD45R/B220⁻CD49b⁺; Treg cells are defined as CD4⁺CD25⁺FOXP3⁺.