

Mouse Plasmablasts/Plasma cells Panel

Catalog Number: RK40016

Size: 1 Box

◆ Description

The 6-fluorescence Mouse Plasmablasts/Plasma cells Panel has been designed for identify and phenotype Plasmablasts/Plasma cells in Mouse blood or tissue samples.

ABflo[®] multi-fluorescence panel RK40016 covers the core CD markers of CD45R/B220, CD19, MHC Class II (I-A/I-E), IgM, CD3 and CD138/Syndecan-1. Our plots showed clear subgroups of CD19⁺CD45R/B220⁺CD138⁺MHC Class II (I-A/I-E)⁺IgM⁺ Plasmablasts cells and CD19⁻CD45R/B220^{-/Low}CD138⁺MHC Class II (I-A/I-E)⁻IgM⁺ Plasma cells (cite figures).

◆ Applications

FC

◆ Reactivity

Mouse

◆ Components

Target	Catalog No	Fluorochrome	Ex/Em (nm)	Isotype	Clone	Size	Vol. Per Test
CD138	A26050	PE	565/574	Rabbit IgG	ARC66008-PE	100T	5 μL
CD45R/B220	A25655	FITC	491/516	Rat IgG2a	ATC0011	100 μg	2 μL

CD19	A24102	ABflo [®] 594	588/604	Rabbit IgG	ARC5140-01-ABflo594	100T	5 μL
MHC class II (I-A/I-E)	A25482	ABflo [®] 647	648/664	Rat IgG	ATC50002-ABflo647	100T	5 μL
IgM	A26231	ABflo [®] 450	406/445	Rabbit IgG	ARC58894-ABflo450	100T	5 μL
CD3	A27432	ABflo [®] 700	690/713	Rat IgG2b	ATC0031-ABflo700	100T	5 μL

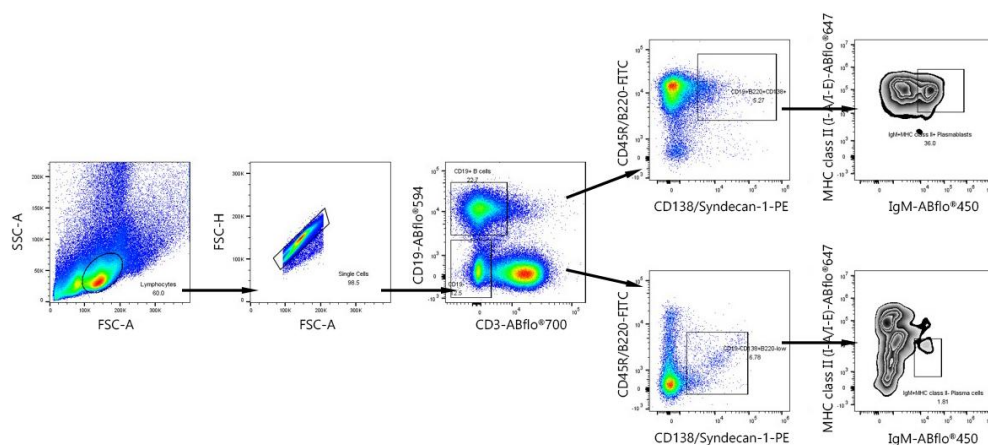
Note:

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 Plasmablasts/Plasma cells Subsets. C57BL/6 mouse splenocytes were surface stained with FITC anti-Mouse/Human CD45R/B220 mAb (A25655, 5 μL/Test), ABflo[®] 594 Rabbit anti-Mouse CD19 mAb (A24102, 5 μL/Test), ABflo[®] 647 Rat anti-Mouse MHC Class II (I-A/I-E) mAb (A25482, 5 μL/Test), ABflo[®] 450 Rabbit anti-Mouse IgM mAb (A26231, 5 μL/Test), ABflo[®] 700 Rat anti-Mouse CD3 mAb (A27432, 5 μL/Test), PE Rabbit anti-Mouse CD138/Syndecan-1 mAb (A26050, 5 μL/Test). All antibodies are validated for Flow cytometry. Plasmablasts are defined as CD19⁺CD45R/B220⁺CD138⁺MHC Class II (I-A/I-E)⁺IgM⁺; Plasma cells are defined as CD19⁻CD45R/B220^{-/Low}CD138⁺MHC Class II (I-A/I-E)⁻IgM⁻.