

Resolution of human CD45RA v RO

11-0003-00

Data Courtesy of Marcin Pekalski and Linda Wicker at Cambridge Institute for Medical Research, Diabetes and Inflammation Lab.

Toll-Free Tel: (US & Canada): 1.877.BIOLEGEND (246.5343)

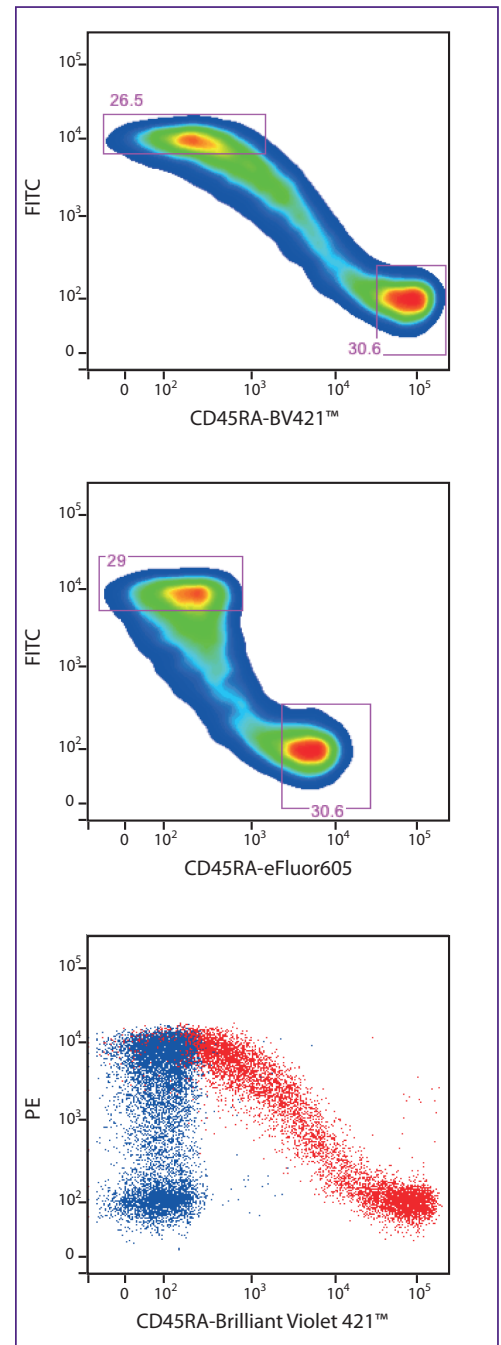
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Cat. No.	Description	Clone
304129	Brilliant Violet 421™ anti-human CD45RA	HI100
400341	Brilliant Violet 421™ Mouse IgG _{2b} κ Isotype Ctrl	MPC-11

Brilliant Resolution

Resolution is critical for identifying both transitioning cell populations and fully differentiated populations. In T-cell studies, CD45RA is used to identify naïve T cells, while CD45RO identifies activated and memory T cell populations. Here, researchers demonstrate that Brilliant Violet 421™-conjugated anti-CD45RA gives a significantly improved (one log greater) dynamic range compared to eFluor® 605NC-conjugated antibody (A and B). The BV421™-antibody conjugate allows for visualization of transitioning populations and clearly distinguishes the fully differentiated memory population from the naïve population. The isotype control at the same concentration provides a very low background, further demonstrating the increased dynamic range of BV421™ antibodies, with highly bright positive populations and low non-specific staining.



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