

Brilliant Violet 510™/711™ beta test results

15 Color Assay using Brilliant Violet™ Fluorophores

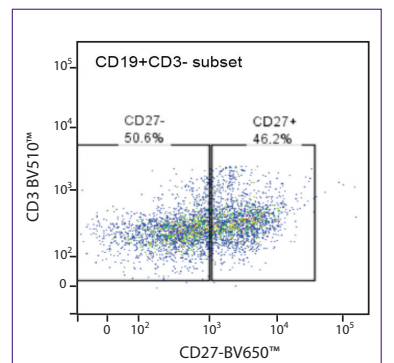
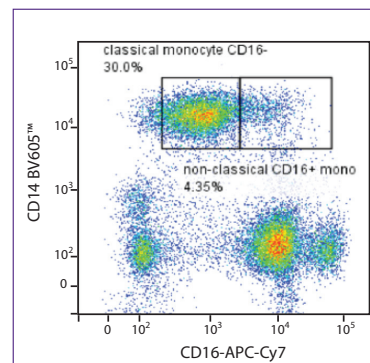
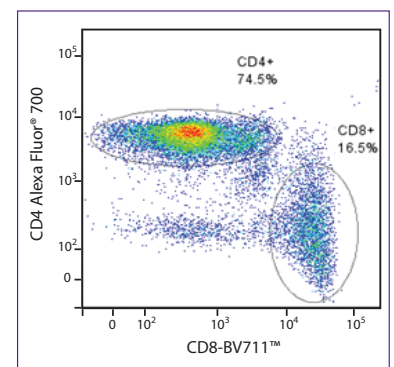
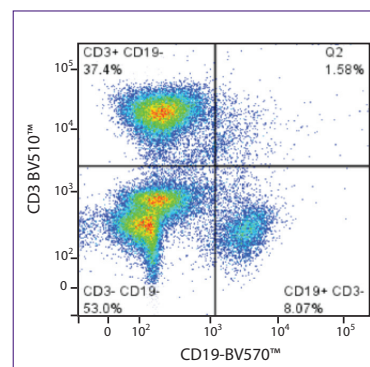
Cat. No.	Description	Clone
301043	Brilliant Violet 711™ anti-human CD8a	RPA-T8
317331	Brilliant Violet 510™ anti-human CD3	OKT3

Brilliant Construction

The Brilliant Violet™ fluorophores do spill over into neighboring channels off the violet laser. However, since spillover values are only one variable that can affect sensitivity in a multicolor panel, intelligently balancing a panel is the most important strategy for the maintenance of resolution in any channel. When two fluorophores exhibit significant spillover and are not of equal brightness, like BV570™ and BV605™, the best strategy to maintain resolution is to select markers that are not co-expressed on the same cell type, in this instance CD19 and CD14. Also involved in this balance is the assignment of a very bright fluorophore like BV605™ to a lowly-expressed antigen like CD14 and a dim fluorophore like BV570™ to an abundant antigen like CD19. The brightness of BV421™ and BV605™ and the significant expansion of commercial conjugate choices that are well balanced to antigen expression level make it easier for >12 color panels to become standard in basic and clinical research applications.

Panel

Fluorophore	Specificity
BV510™	CD3
Alexa Fluor® 700	CD4
BV711™	CD8a
PE/Cy5	CD11c
BV605™	CD14
APC/Cy7	CD16
BV570™	CD19
PerCP/Cy5.5	CD20
BV650™	CD27
FITC	CD38
PE/Cy7	CD45RA
PE	CD56
BV421™	CD123
APC	CD197
PE/CF594	HLA-DR



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Learn more at: biolegend.com/brilliantviolet