

Brilliant Violet 510™/711™/785™ beta test results



Cytokine profiling of T cell subsets using Brilliant Violet™ fluorophores

11-0014-00

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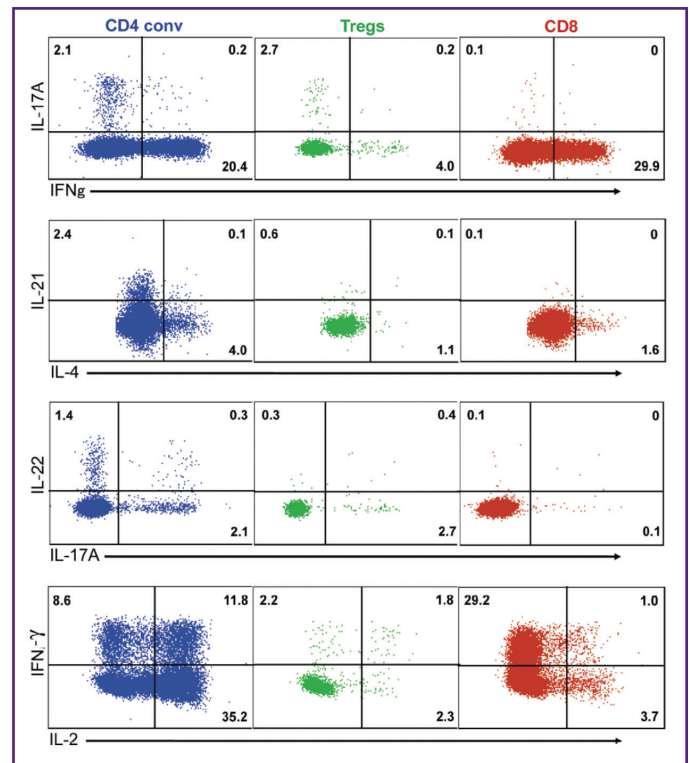
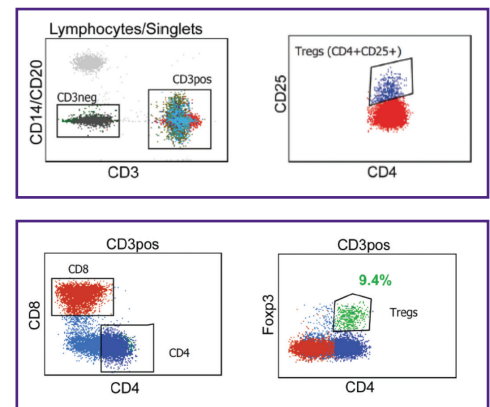
Cat. No.	Description	Clone
317331	Brilliant Violet 510™ anti-human CD3	OKT3
301043	Brilliant Violet 711™ anti-human CD8a	RPA-T8
302637	Brilliant Violet 785™ anti-human CD25	BC96
500331	Brilliant Violet 605™ anti-human IL-2	MQ1-17H12
512322	Brilliant Violet 421™ anti-human IL-17A	BL168
502537	Brilliant Violet 650™ anti-human IFN-γ	4S.B3

Brilliant Cytokine Staining

While quantum dots provided expanded options for colors on the violet laser, they do not perform well for intracellular staining and lacked direct conjugate options for intracellular flow cytometry. In contrast to quantum dots nanocrystals, Brilliant Violet™-conjugated antibodies are applicable in a 13-color intracellular cytokine and FOXP3 panel for the detection of intracellular antigens (IL-17A, IFN-γ, IL-2) as well as for surface antigens (CD3, CD8, CD25) due to their stability following fixation and permeabilization. Thus, the novel family of Brilliant Violet™ fluorescent molecules BV421™, BV510™, BV605™, BV650™, BV711™, and BV785™ provide superior new tools for the violet laser line, further enhancing the capabilities for multicolor flow cytometry.

Panel

Fluorophore	Specificity
BV510™	CD3
PerCP/Cy5.5	CD4
BV711™	CD8a
Alexa Fluor® 700	CD14
BV785™	CD25
FITC	FOXP3
BV605™	IL-2
PE/Cy7	IL-4
BV421™	IL-17A
APC	IL-21
PE	IL-22
BV650™	IFN-γ
APC/Cy7	Live/Dead NIR



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Learn more at: biolegend.com/brilliantviolet

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