

Tetramer Resolution – mouse CD1d

11-0005-00

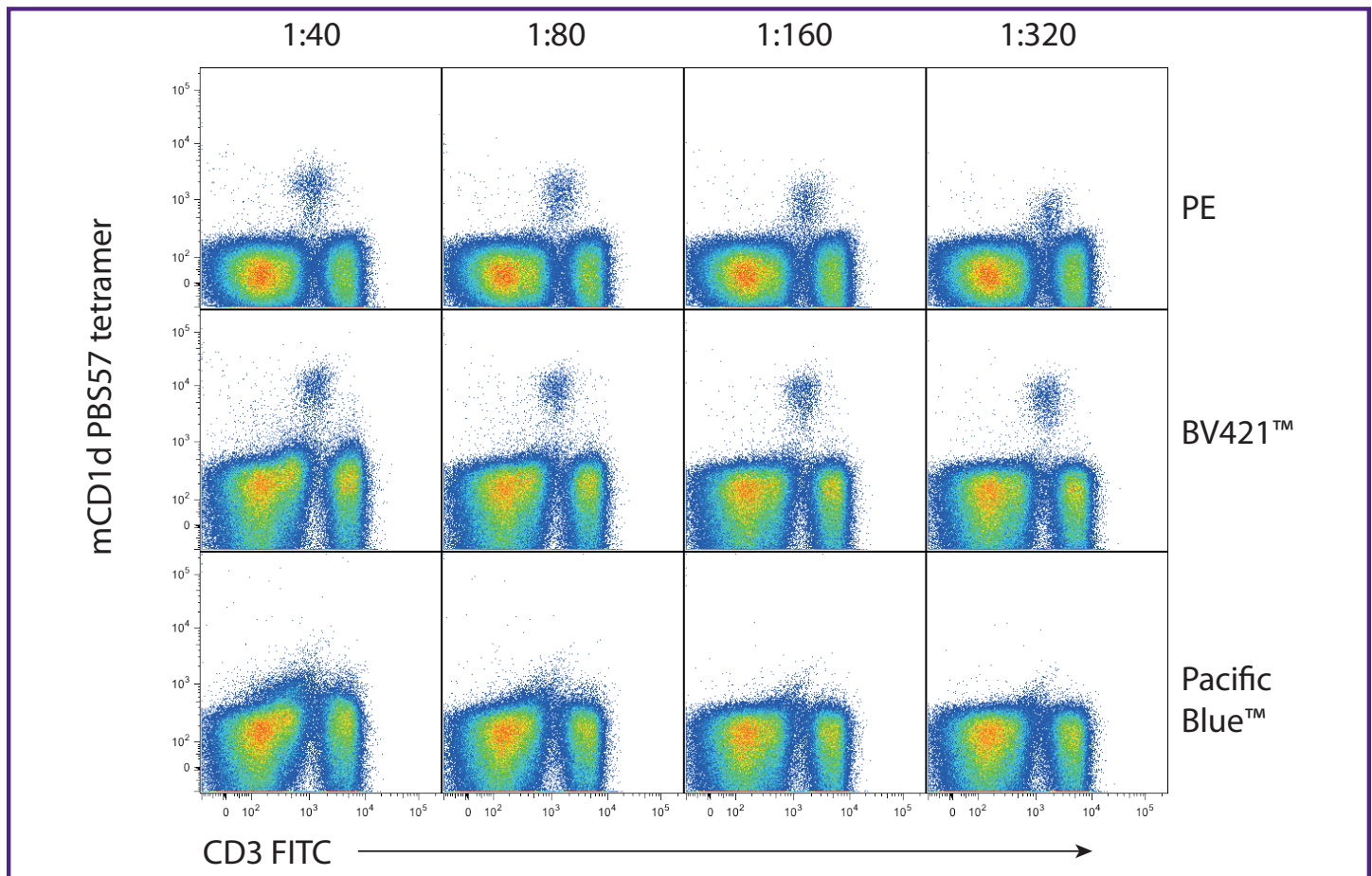
Data Courtesy of Rick Willis and John Altman, NIH Tetramer Core Facility at Emory/Yerkes.

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

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Cat. No.	Description
Custom	Streptavidin-Brilliant Violet 421™



Brilliant Sensitivity

The high intensity brightness of Brilliant Violet 421™ enables high resolution of rare tetramer-stained populations. Tetramer assays are designed to identify antigen-specific T cell populations through the use of peptide-loaded MHC tetramers labeled with a fluorochrome. Here, researchers compared

PBS57-loaded mouse CD1d tetramers labeled with Streptavidin-Brilliant Violet 421™, PE, or Pacific Blue™. BV421™ outperformed both PE and Pacific Blue™ at equivalent tetramer concentrations. In this scenario, the Pacific Blue™ signal is too weak to provide any resolution of positive populations. BV421™ provided excellent signal-to-noise at all concentrations tested.

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