

Brilliant Violet 421™ beta test results



Multi-Color Microscopy with human CD56

11-0006-00

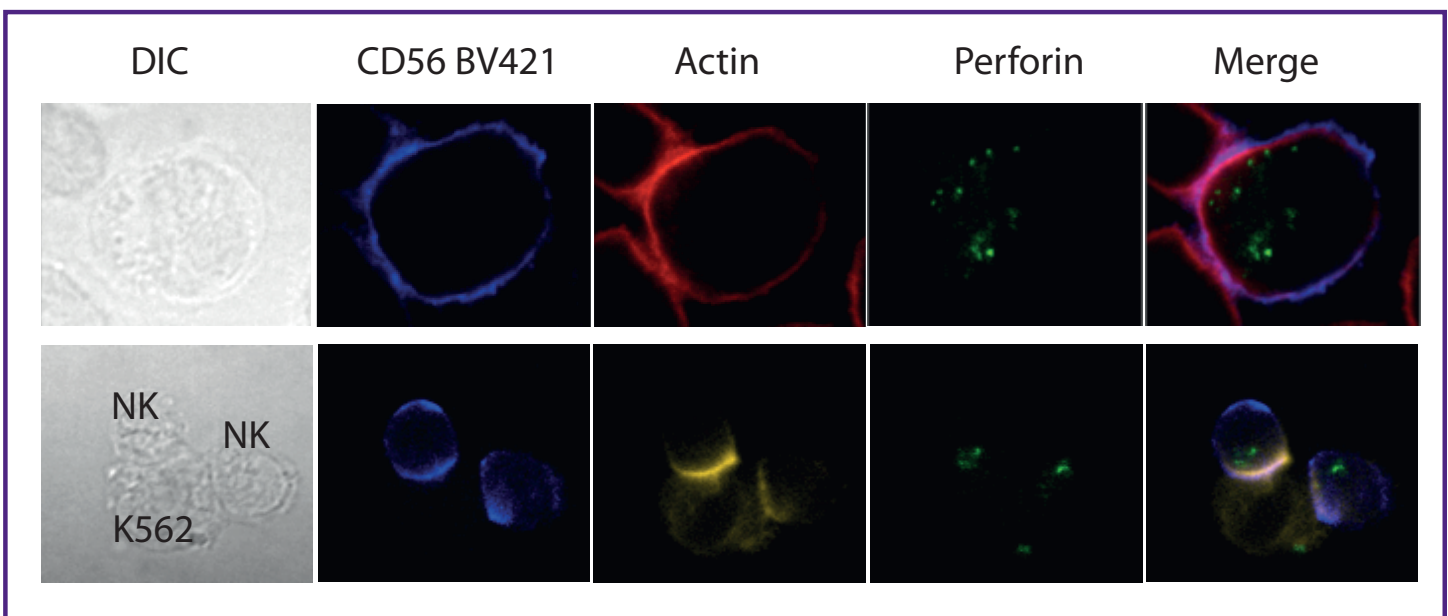
Data courtesy of Emily Mace and Jordan Orange, Children's Hospital of Philadelphia.

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Cat. No.	Description	Clone
318327	Brilliant Violet 421™ anti-human CD56 (NCAM)	HCD56



Brilliant Imaging

The high intensity brightness and exceptional photostability of Brilliant Violet 421™ enable for the first time, visualization of antigens using directly-labeled antibody conjugates in the “blue-emitting” channel for microscopy. Here, researchers stained NK92 cells (human NK cell line, top row) or NK92 cells mixed with K562 cells

(bottom row) with anti-CD56 BV421™, anti-perforin FITC, and phalloidin Alexa Fluor® 568, and acquired images on an Olympus IX81 spinning disk confocal microscope on 100X objective, NA 1.45. Exposures: 488 = 1000 ms, 568 = 100 ms, BV421™ (450 nm) = 200 ms. CD56-expressing NK cells were easily distinguished from the CD56-non-expressing K562 cells.

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