

Cytek® 25-Color Immunoprofiling Assay Expansion Guide

Key and Definitions

Approx. Emission Wavelength (nm)	UV	Violet	Blue	Yellow Green	Red	Key:	
395	BUV395					Backbone Marker from Kit	Definitions: Lineage- only bright expression like CD3 Subset of lineage- bright expression but continuous pattern to the negative like CD8 Dim- for example exhaustion marker on T Cell
421		CCR7 BV421				Drop lineage or high expressed markers	
440		SuperBright 436				Drop anything. If using other drop-in's make note	
450		CD45RA cFluor V450				Ideal T-Cell Marker	
480		BV480 (no co-expression cFluor V450, avoid co-expression with BV510)				Ideal B-Cell Marker	
490	BUV496 (use for subset marker or no co-expression with BV510, spread with B515)					Ideal NK-Cell Marker	
510		IgM BV510				Ideal DC and/or Macrophage Marker	
520			CD141 cFluor B515			Leave empty	
530			CD8 cFluor B532			Ideal Granulocyte/Neutrophils/basophils Marker	
550		CD20 cFluor V547	CD14 cFluor B548				
560	BUV563 (use for subset marker, or no co-expression BV570, PE/BYG575)						
570		CD3 BV570		CD25 cFluor BYG575			
600		BV605 (use a lineage marker when co-expressed with BYG610. No-co-expression with V610)		CD4 cFluor YG584			
610	BUV615 (use for subset marker, or no co-expression BV605 or BYG610)	cFluor V610 (no co-expression BV605, BUV615, BYG610)		CD16 cFluor BYG610			
640			BB630 Dim markers	PE-Fire640 (no co-expression cFluor BYG610, cFluor BYG667)			
650		CD28 BV650			CD127 cFluor R659		
660	BUV661 (use for subset marker or no co-expression cFluor R659, cFluor R668, cFluor R685)		BB660 Dim markers	IgD cFluor BYG667			
670					CD1c cFluor R668		
680			cFluor B675 (no co-expression with cFluor B690)		CD19 cFluor R685		
690			HLA-DR cFluor B690				
710		CD38 BV711	PerCP-eFluor 710 (no co-expression cFluor B690)	TCRGD cFluor BYG710			
730					CD123 cFluor R720		
740	BUV737 (avoid co-expression BV750, cFluor BYG750, and BB755)						
750		CD56 BV750	BB755 Dim markers	cFluor BYG750 (no co-expression BB755, BV750)	ViaDyeRed		
780		PD-1 BV785	BB790 Dim markers	CD11c cFluor BYG781	CD45 cFluor R780		
800	BUV805 (no co-expression BV785)						
820				PE-Fire810 (no co-expression with BB790)			
840					CD27 cFluor R840		

