

Cytoflex 2

		Secondary Fluochrome (Bright Antigen)																							
		BV421	Pac Blue	BV480	BV510	BV605	BV650	FITC	BB515	AF 488	PerCP-Cy5.5	BB700	PE	PE-CF594	PE-Cy5	PE-Cy7	APC	AF 647	AF 700	APC-R700	APC-Cy7	APC-Fire	APC-eflour780		
Primary Fluochrome (Dim Antigen)	BV421	683		59%	19%	39%	30%	1%	0%	0%	0%	1%	0%	2%	3%	1%	0%	5%	5%	1%	2%	6%	2%		
	Pacific Blue		69	59%	20%	39%	30%	1%	0%	0%	0%	1%	0%	2%	3%	1%	0%	5%	5%	1%	2%	6%	2%		
	BV480	16%	2%	208		0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	2%	0%	1%	
	BV510	16%	2%		96		0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	2%	0%	1%	
	BV605	4%	17%	50%	61%	347	62%	1%	0%	12%	9%	30%	80%	89%	50%	0%	23%	12%	6%	3%	1%	11%	0%		
	BV650	3%	0%	33%	42%	74%	146	1%	0%	0%	21%	59%	34%	48%	81%	0%	62%	0%	1%	5%	1%	0%	2%		
	FITC	0%	5%	66%	0%	0%	0%		132			10%	25%	24%	12%	23%	20%	16%	29%	30%	29%	30%	31%	28%	
	BB515	0%	5%	66%	0%	0%	0%			552		10%	25%	24%	12%	23%	20%	16%	29%	30%	29%	30%	31%	28%	
	Alexa Fluor 488	0%	5%	66%	0%	0%	0%				184	10%	25%	24%	12%	23%	20%	16%	29%	30%	29%	30%	31%	28%	
	PerCP-Cy5.5	0%	0%	0%	0%	81%	77%	44%	11%	3%		92		82%	93%	98%	25%	95%	87%	63%	95%	53%	1%	17%	
	BB700	0%	0%	0%	0%	81%	77%	44%	11%	4%			850		82%	93%	98%	25%	95%	87%	63%	95%	53%	1%	17%
	PE	0%	0%	4%	5%	87%	13%	1%	5%	2%				1277	83%	46%	21%	7%	6%	6%	11%	5%	7%	5%	
	PE-CF594	1%	5%	15%	25%	94%	42%	1%	3%	3%	7%	83%			925	20%	6%	6%	4%	1%	1%	2%	5%	1%	
	PE-Cy5	0%	0%	0%	0%	72%	83%	36%	0%	0%			88%	92%	73%	86%	1611	14%	95%	88%	70%	96%	56%	3%	23%
	PE-Cy7	0%	0%	0%	0%	48%	26%	0%	1%	1%	54%	77%	48%	76%	94%	1174	48%	41%	34%	86%	92%	93%	93%	93%	
	APC	0%	0%	5%	6%	36%	83%	5%	0%	0%	42%	76%	18%	38%	98%	14%		366		29%	75%	53%	21%	47%	
	Alexa Fluor 647	0%	0%	5%	6%	36%	83%	5%	0%	0%	42%	76%	18%	38%	98%	14%			187	29%	75%	53%	21%	47%	
	Alexa Fluor 700	0%	8%	0%	6%	43%	59%	7%	1%	9%	70%	97%	47%	79%	95%	4%	82%	83%	66			33%	23%	25%	
	APC-R700	0%	8%	0%	6%	43%	59%	7%	1%	9%	70%	97%	47%	79%	95%	4%	82%	83%		493	33%	23%	25%		
	APC-Cy7	0%	1%	0%	0%	2%	41%	1%	0%	0%	42%	75%	2%	14%	80%	93%	78%	74%	61%	89%		232			
	APC-Fire	0%	1%	0%	0%	2%	41%	1%	0%	0%	42%	75%	2%	14%	80%	93%	78%	74%	61%	89%			221		
	APC-eflour780	0%	1%	0%	0%	2%	41%	1%	0%	0%	42%	75%	2%	14%	80%	93%	78%	74%	61%	89%				242	

How the matrix was made

Mouse spleens was stained with individual anti-CD8 labeled antibodies with the indicated fluochrome and analyzed on the indicated instrument.

Each calculated value was arbitrarily assigned a color code according to the legend to show where the biggest spreading was situated.

How to use the resolution impact matrix

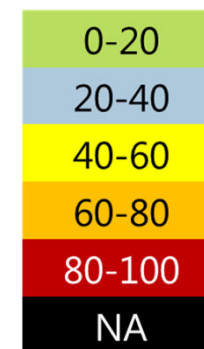
You find the color of interest on the top of the matrix, go down till you find the channel that you need to combine the color with and read the impact of spreading.

Consider this for panel design

When you are designing larger panels the task of making correct combinations becomes more difficult, but using the list below can help you:

- The lineage markers such as CD4, CD19 etc. should be found on the top of the matrix.
- Make sure the lineage marker has as many green cells as possible.
- For an important marker you should find the color on the left of the matrix.
- Make sure the marker has as many green cells as possible when you move across the matrix.
- Notice that spreading occurs between different laser lines.

Amount of spreading (%)



Relative fluorochrome brightness (AU)

