

FLOW CYTOMETRY SELECTION GUIDE

| Fluorophore | Laser | Ex (nm) | Em (nm) | Brightness |
|--------------------|-------|---------|---------|------------|
| mFluor™ UV375 | 350 | 351 | 387 | 6 |
| mFluor™ UV 420 | 350 | 353 | 421 | 1 |
| mFluor™ UV460 | 350 | 358 | 456 | 4 |
| mFluor™ UV455 | 350 | 357 | 461 | 4 |
| mFluor™ UV520 | 350 | 503 | 524 | 1 |
| mFluor™ UV540 | 350 | 542 | 560 | 3 |
| mFluor™ UV610 | 350 | 590 | 609 | 2 |
| mFluor™ Violet 450 | 405 | 406 | 445 | 6 |
| Pacific Blue™ | 405 | 404 | 455 | 6 |
| mFluor™ Violet 480 | 405 | 404 | 475 | 1 |
| mFluor™ Violet 500 | 405 | 410 | 501 | 5 |
| Pacific Green | 405 | 415 | 502 | 4 |
| mFluor™ Violet 505 | 405 | 393 | 504 | 4 |
| mFluor™ Violet 510 | 405 | 412 | 505 | 5 |
| mFluor™ Violet 540 | 405 | 402 | 535 | 2 |
| mFluor™ Violet 545 | 405 | 393 | 543 | 2 |
| mFluor™ Violet 550 | 405 | 527 | 550 | 4 |
| Pacific Orange™ | 405 | 400 | 551 | 3 |
| mFluor™ Violet 590 | 405 | 564 | 591 | 3 |
| mFluor™ Violet 610 | 405 | 421 | 612 | 5 |
| 5-FITC | 488 | 491 | 516 | 8 |
| Fluorescein | 488 | 498 | 517 | 6 |
| iFluor® 488 | 488 | 491 | 516 | 8 |
| Alexa Fluor® 488 | 488 | 499 | 520 | 7 |
| mFluor™ Blue 570 | 488 | 505 | 564 | 3 |
| PE | 488 | 566 | 574 | 10 |
| mFluor™ Blue 580 | 488 | 485 | 580 | 1 |
| mFluor™ Blue 590 | 488 | 569 | 589 | 3 |
| PE-iFluor® 594 | 488 | 566 | 606 | 9 |
| PE-Texas Red® | 488 | 567 | 615 | 9 |
| mFluor™ Blue 620 | 488 | 589 | 616 | 3 |
| mFluor™ Blue 630 | 488 | 470 | 632 | 1 |
| mFluor™ Blue 660 | 488 | 481 | 663 | 1 |
| PE-Cy5 | 488 | 565 | 666 | 9 |
| PE-Cy5.5 | 488 | 565 | 671 | 9 |
| PE-Cy7 | 488 | 566 | 778 | 9 |
| PE-iFluor® 750 | 488 | 566 | 778 | 9 |
| mFluor™ Green 620 | 532 | 525 | 623 | 1 |
| iFluor® 532 | 532 | 537 | 560 | 7 |
| TRITC | 532 | 540 | 565 | 7 |

| Fluorophore | Laser | Ex (nm) | Em (nm) | Brightness |
|----------------------|-------|---------|---------|------------|
| mFluor™ Green 630 | 532 | 537 | 657 | 1 |
| Cy3 | 561 | 554 | 568 | 4 |
| Texas Red® | 561 | 586 | 603 | 4 |
| APC | 640 | 651 | 660 | 9 |
| Cy5 | 640 | 650 | 669 | 7 |
| iFluor® 647 | 640 | 656 | 670 | 6 |
| Cy5.5 | 640 | 683 | 703 | 5 |
| mFluor™ Red 780 | 640 | 629 | 767 | 2 |
| APC-Alexa Fluor® 750 | 640 | 650 | 774 | 7 |
| APC-iFluor® 750 | 640 | 651 | 780 | 8 |
| Cy7 | 640 | 754 | 778 | 2 |
| APC-Cy7 | 640 | 651 | 779 | 7 |

* Brightness scale is 1 (dimmiest) to 10 (brightest), as a comparison of all included dyes. Brightness is computed as a function of extinction coefficient and quantum yield. Actual performance will vary due to instrumentation settings. Guide above was developed on a Cytek flow cytometer.

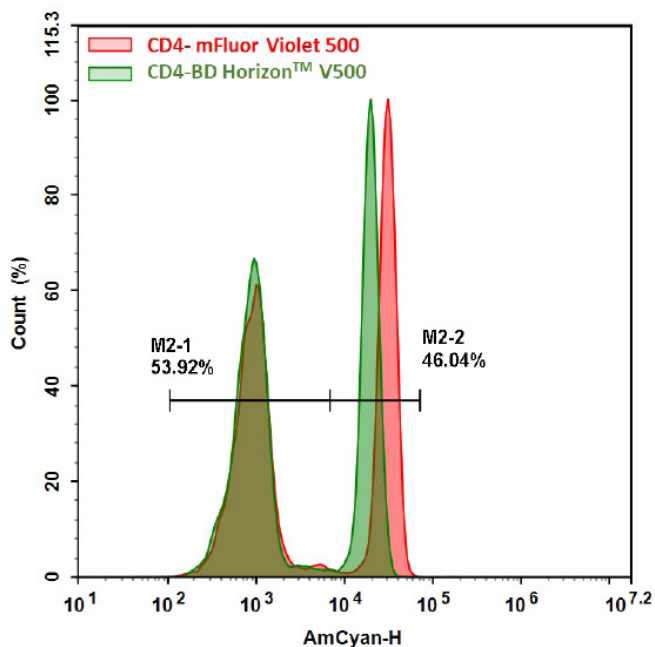


Figure 1. Human peripheral blood lymphocytes were stained with anti-Human CD4 (clone SK3, mouse IgG1, κ) conjugate prepared with mFluor Violet 500 (Cat# 1149) or BD Horizon™ V500. The fluorescence signal was monitored using ACEA NovoCyte flow cytometer in AmCyan channel.

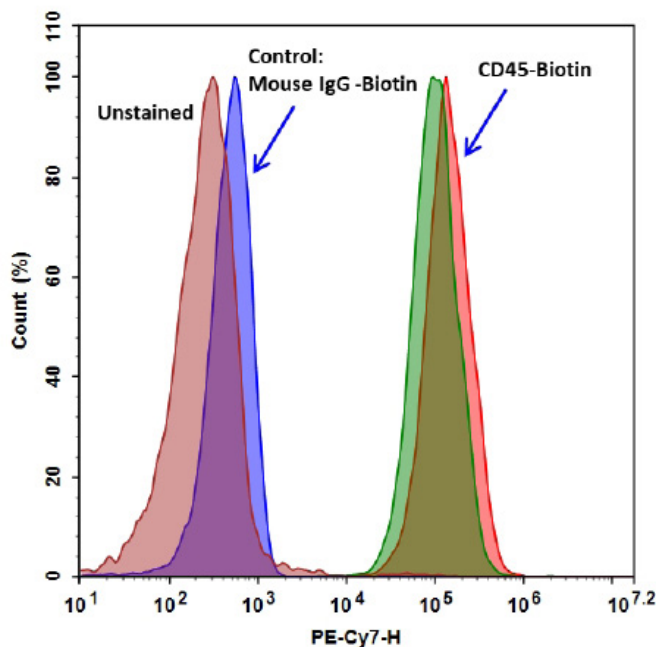


Figure 2. Jurkat cells were incubated with biotinylated-Anti-CD45 followed by Streptavidin-PE/Cy7 stain. Blue: Control Red: Streptavidin-PE/Cy7 prepared with PE/Cy7 Tandem Green: Streptavidin-PE/Cy7 (products of Company B)

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