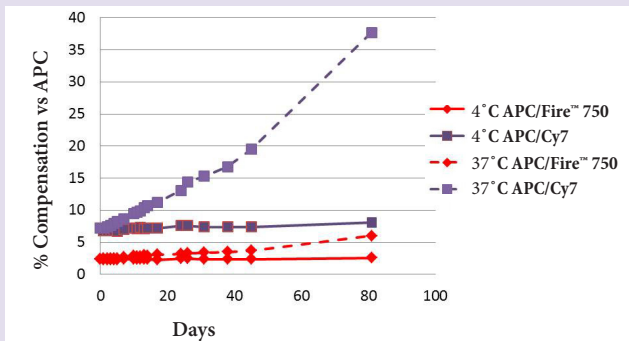


# Introducing APC/Fire™ 750 Antibody Conjugates



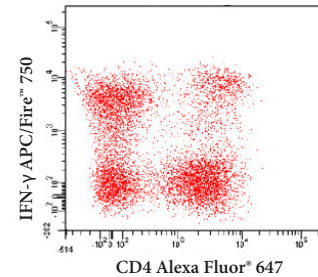
BioLegend is excited to announce the release of our newest tandem, APC/Fire™ 750, which is more stable for long-term storage and a more photostable alternative to APC/Cy7. APC/Fire™ 750 also has lower compensation requirements than APC/Cy7 conjugates, with a comparable level of brightness. APC/Fire™ 750 is offered in an array of direct primary antibody conjugates to complement your multicolor flow cytometry applications.

## Improved Stability



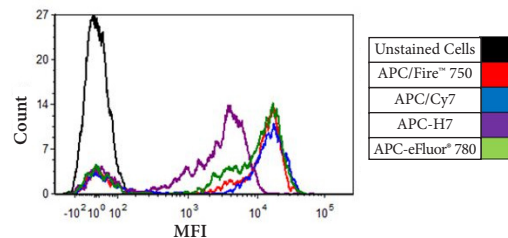
Vials of APC/Cy7 and APC/Fire™ 750 were stored in the dark at 4°C and 37°C for 81 days. At certain intervals, an aliquot of reagent was used to stain Veri-Cells™ PBMC, a lyophilized human PBMC product that effectively removes donor-dependent variation in staining (Cat. No. 425002). Cells were stained for 15 min at room temperature in cell staining buffer.

## Excellent Resolution and Minimal Spillover into APC



Human PBMCs were stimulated for 6 hours with PMA and Ionomycin in the presence of Monensin. Cells were stained with CD4 Alexa Fluor® 647 and then fixed and permeabilized before staining with IFN-γ APC/Fire™ 750.

## APC/Fire™ 750 Brightness Comparison



Human whole blood was stained with CD3 (SK7) conjugates of APC/Fire™ 750, APC/Cy7, APC-H7, or APC-eFluor® 780. Histograms were gated on lymphocyte populations.

## Comparison Summary Table

Feature	APC/Fire™ 750	APC/Cy7	APC-H7	APC-eFluor® 780
Brightness	++	++	+	++
Stability to Fixatives	++	-	++	-
Compensation into APC	++	+	++	+
Low Monocyte Binding	++	-	++	+
Long-term Storage Stability	++	-	+	NT
Price per test/ug	+	++	-	+

Legend: (-) = poor, (+) = moderate, (++) = best, NT = not tested.

BioLegend is ISO 9001:2008 and ISO 13485:2003 Certified

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

Tel: 858.768.5800

[biolegend.com](http://biolegend.com)

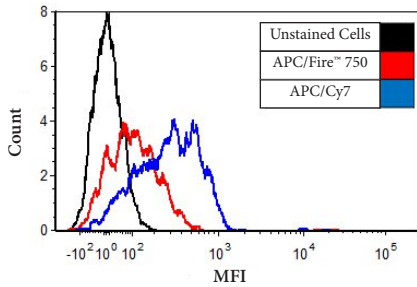
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World-Class Quality | Superior Customer Support | Outstanding Value

# APC/Fire™ 750 Antibody Conjugates

## Low Background Binding to Monocytes



Human whole blood was stained with CD3 (SK7) conjugates of APC/Fire™ 750 or APC/Cy7. Histograms were gated on monocyte populations.

## Product List

### Human

Specificity	Clone	Size (tests)	Cat. No.
CD3	SK7	25   100	344839   344840
CD4	SK3	25   100	344637   344638
CD8	SK1	25   100	344745   344746
CD10	HI10a	25   100	312229   312230
CD14	63D3	25   100	367119   367120
CD15	W6D3	25   100	323041   323042
CD16	3G8	25   100	302059   302060
CD19	SJ25C1	25   100	363029   363030
CD20	2H7	25   100	302357   302358
CD25	M-A251	25   100	356135   356136
CD27	M-T271	25   100	356427   356428
CD38	HB7	25   100	356625   356626
CD45	2D1	25   100	368517   368518
CD45RA	HI100	25   100	304151   304152
CD45RO	UCHL1	25   100	304249   304250
CD56	5.1H11	25   100	362553   362554
CD69	FN50	25   100	310945   310946
CD279	EH12.2H7	25   100	329953   329954
HLA-DR	L243	25   100	307657   307658
IFN-γ	4S.B3	25   100	502547   502548

### Isotype Controls

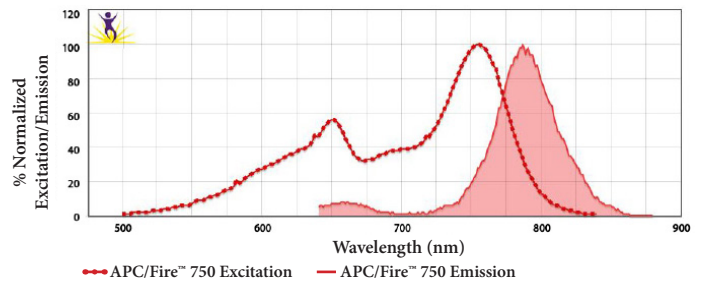
Specificity	Clone	Size (tests)	Cat. No.
Hamster IgG	HTK888	25   100	400961   400962
Mouse IgG1, κ	MOPC-21	25   100	400195   400196
Mouse IgG2a, κ	MOPC-173	25   100	400283   400284
Mouse IgG2b, κ	MPC-11	25   100	400371   400372
Rat IgG2a, κ	RTK2758	25   100	400567   400568
Rat IgG2b, κ	RTK4530	25   100	400669   400670
Rat IgG1, κ	RTK2071	25   100	400455   400456

## Learn more at: [biolegend.com/apc-fire750](http://biolegend.com/apc-fire750)

Alexa Fluor® is a registered trademark of Life Technologies Corporation.  
e-Fluor® is a registered trademark of eBioscience.



## Excitation and Emission Spectra of APC/Fire™ 750



To compare the excitation and emission spectra of APC/Fire™ 750 with other fluorophores, visit our Fluorescence Spectra Analyzer page at: [biolegend.com/spectraanalyzer](http://biolegend.com/spectraanalyzer)

### Mouse

Specificity	Clone	Size (tests)	Cat. No.
CD3	17A2	25   100	100247   100248
CD4	GK1.5	25   100	100459   100460
CD8	53-6.7	25   100	100765   100766
CD11b	M1/70	25   100	101261   101262
CD11c	N418	25   100	117351   117352
CD19	6D5	25   100	115557   115558
CD25	PC61	25   100	102053   102054
CD44	IM7	25   100	103061   103062
CD45	30-F11	25   100	103153   103154
CD45R/B220	RA3-6B2	25   100	103259   103260
CD117	2B8	25   100	105837   105838
F4/80	BM8	25   100	123151   123152
Gr-1	RB6-8C5	25   100	108455   108456
I-A/E	M5/114	25   100	107651   107652
Ly-6C	HK1.4	25   100	128045   128046
Ly-6G	1A8	25   100	127651   127652

## Receive a free Dragon Squeeze Toy in your order with any APC/Fire™ 750 product purchase

Use code: **DRAGON** when placing your order. Only one toy per order. Toys will be randomly selected. For US, Canada, UK, Germany, Austria, France, and Switzerland direct orders only. Available while supplies last.



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