

APC/Fire™ 750 anti-human IL-17A Recombinant Antibody

Catalog# / Size	385913 / 25 tests 385914 / 100 tests
Clone	QA18A46
Regulatory Status	RUO
Other Names	Interleukin 17A, IL-17, CTLA8
Isotype	Mouse IgG1, κ
Description	IL-17A is the founding member of the IL-17 family, a group of six structurally related pro-inflammatory cytokines. IL-17A is the signature cytokine of Th17 subpopulation of CD4 ⁺ T cells. Neutrophils are also a major source of IL-17A. IL-17A can elicit multiple biological activities on a variety of cells. For instance, IL-17A can induce IL-6, IL-8, G-CSF, and PGE2 production from epithelial cells, endothelial cells, or fibroblast. IL-17A also further regulates neutrophil functions. Human IL-17A shares 63%, 63% and 72% amino acid sequence similarity to rat IL-17A, mouse IL-17A, and a protein encoded by the ORF13 gene of herpesvirus Saimiri (HVS) respectively.

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 774 nm.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clone QA18A46 can completely block the binding of clone BL168 on target cells.
RRID	AB_3720542 (BioLegend Cat. No. 385913) AB_3720542 (BioLegend Cat. No. 385914)

Antigen Details

Structure	~15 kD cytokine
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Distribution	Activated T cells, neutrophils
Function	Proinflammatory cytokine
Ligand/Receptor	IL-17A receptor
Cell Type	Lymphocytes, Neutrophils, T cells, Th17
Biology Area	Adaptive Immunity, Immunology, Innate Immunity
Molecular Family	Cytokines/Chemokines

Antigen References

1. Spriggs MK. 1997. *J Clin Immunol.* 17:366-9.
2. Kawaguchi M, *et al.* 2004. *J Allergy Clin Immunol.* 114:1265-73.
3. Furuzawa-Carballeda J, *et al.* 2007. *Autoimmun Rev.* 6:169-75.

Gene ID

[3605](#)

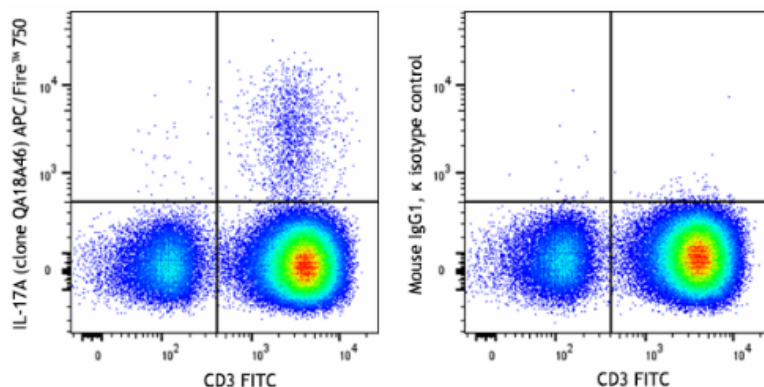
Related Protocols

- [Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

APC anti-human IL-17A Recombinant Antibody, PE anti-human IL-17A Recombinant Antibody, Purified anti-human IL-17A Recombinant Antibody, PE/Cyanine7 anti-human IL-17A Recombinant Antibody, Brilliant Violet 421™ anti-human IL-17A Recombinant Antibody, PerCP/Cyanine5.5 anti-human IL-17A Recombinant Antibody, APC/Fire™ 750 anti-human IL-17A Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stimulated with Cell Activation Cocktail (with Brefeldin A) (Cat. No. 423304) and surface stained with anti-human CD3 (clone UCHT-1) FITC. Cells were then fixed, permeabilized, and intracellularly stained with anti-human IL-17A recombinant (clone QA18A46) APC/Fire™ 750 (left) or mouse IgG1, κ APC/Fire™ 750 isotype control (right).

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