

PE/Cyanine7 anti-human IL-17A Recombinant Antibody

Catalog# / Size	385909 / 25 tests 385910 / 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 PE/Cyanine7 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.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Clone QA18A46 can completely block the binding of clone BL168 on target cells.
RRID	AB_3720540 (BioLegend Cat. No. 385909) AB_3720540 (BioLegend Cat. No. 385910)

Antigen Details

Structure	~15 kD cytokine
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](#)

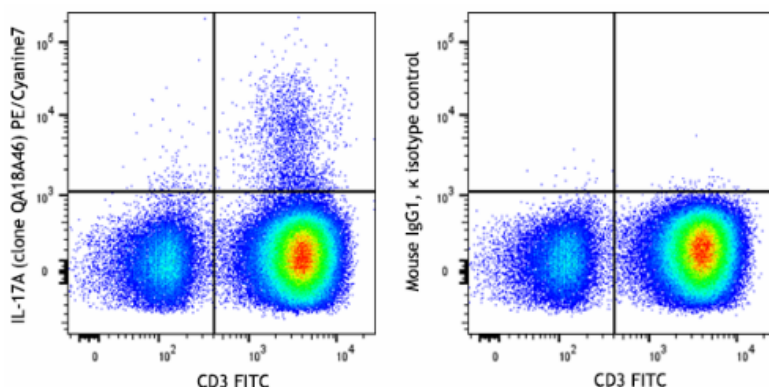
Related Protocols

- [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) PE/Cyanine7 (left) or mouse IgG1, κ PE/Cyanine7 isotype control (right).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587