

APC anti-human IL-2

Catalog # / Size: 500309 / 25 tests
500311 / 50 µg
500310 / 100 tests

Clone: MQ1-17H12

Isotype: Rat IgG2a, κ

Immunogen: *E. coli* - expressed recombinant human IL-2

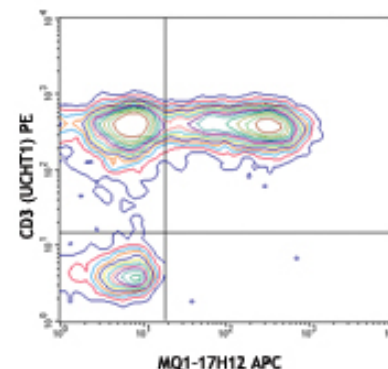
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus, Sooty Mangabey

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
µg size: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: test sizes: lot-specific; µg size: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



PMA + ionomycin-stimulated (6 hours) human peripheral blood lymphocytes intracellularly stained with MQ1-17H12 APC and CD3 (UCHL1) PE

Applications:

Applications: ICFC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 µl to 5 µl per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: **ELISA or ELISPOT Capture^{2,3}:** The purified MQ1-17H12 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated Poly5176 antibody (Cat. No. 517601) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture. For ELISPOT capture applications, a concentration range of 4-8 µg/ml is recommended.

Additional reported applications (for the relevant formats) include: immunoprecipitation², immunohistochemical staining of paraformaldehyde-fixed, saponin-treated frozen tissue sections^{1,4-6,8}, and immunocytochemistry.

Note: For testing human IL-2 in serum or plasma, BioLegend's ELISA Max™ Sets (Cat. No. 431801 to 431806) are specially developed and recommended.

Application References:

- Andersson J, *et al.* 1994. *Immunology* 83:16. (IHC)
- Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5. (IP)
- Abrams JS. 1995. *Curr. Prot. Immunol.* Unit 6.20.
- Fernandez V, *et al.* 1994. *Eur. J. Immunol.* 24:1808. (IHC)
- Skansen-Saphir U, *et al.* 1994. *Eur. J. Immunol.* 24:916. (IHC)
- Andersson U, *et al.* *Detection and Quantification of Gene Expression.* New York:Springer-Verlag. (IHC)
- Prussin C, *et al.* 1995. *J. Immunol. Methods.* 188:117.
- Raqib R, *et al.* 2002. *Infect. Immun.* 70:3199. (IHC)
- Dzhagalov I, *et al.* 2007. *J. Immunol.* 178:2113. PubMed
- Colleton BA, *et al.* 2009. *J. Virol.* 83:6288. PubMed
- Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
- Rout N, *et al.* 2010. *PLoS One* 5:e9787. (FC)

Description: IL-2 is a potent lymphoid cell growth factor which exerts its biological activity primarily on T cells, promoting proliferation and maturation. Additionally, IL-2 has been found to stimulate growth and differentiation of B cells, NK cells, LAK cells, monocytes, and oligodendrocytes.

- Antigen References:**
- Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook.* Academic Press, San Diego.
 - Taniguchi T, *et al.* 1993. *Cell* 73:5.
 - Nistico G. 1993. *Prog. Neurobiol.* 40:463.
 - Waldmann T, *et al.* 1993. *Ann. NY Acad. Sci.* 685:603.

Related Products:

Product
Cell Staining Buffer
Fixation Buffer

Clone

Application
FC, ICC, ICFC
ICC, ICFC



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Permeabilization Wash Buffer (10X)
RBC Lysis Buffer (10X)
Brefeldin A Solution (1,000X)
Monensin Solution (1,000X)
APC Rat IgG2a, κ Isotype Ctrl

RTK2758

ICC, ICFC, IHC
FC, ICFC
ICFC
ICFC
FC, ICFC



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