

PerCP/Cy5.5 anti-human IL-2

Catalog # / Size: 500321 / 25 tests
500322 / 100 tests

Clone: MQ1-17H12

Isotype: Rat IgG2a, κ

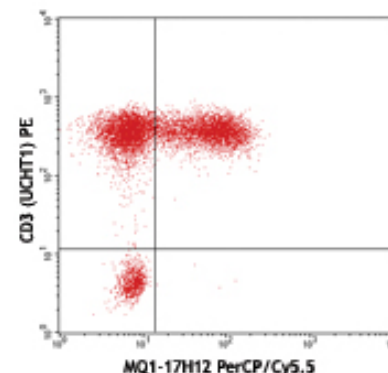
Immunogen: *E. coli* - expressed recombinant human IL-2

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

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

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

Storage: The IL-2 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 PerCP/Cy5.5 and CD3 (UCHT1) 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. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells 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.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and 564 nm and a maximum emission of 690 nm.

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 applications, a concentration range of 4-8 μ g/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.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

- Application References:**
1. Andersson J, *et al.* 1994. *Immunology* 83:16. (IHC)
 2. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5. (IP)
 3. Abrams JS. 1995. *Curr. Prot. Immunol.* Unit 6.20.
 4. Fernandez V, *et al.* 1994. *Eur. J. Immunol.* 24:1808. (IHC)
 5. Skansen-Saphir U, *et al.* 1994. *Eur. J. Immunol.* 24:916. (IHC)
 6. Andersson U, *et al.* *Detection and Quantification of Gene Expression.* New York:Springer-Verlag. (IHC)
 7. Prussin C, *et al.* 1995. *J. Immunol. Methods.* 188:117.
 8. Raqib R, *et al.* 2002. *Infect. Immun.* 70:3199. (IHC)
 9. Dzhagalov I, *et al.* 2007. *J. Immunol.* 178:2113. PubMed
 10. Colleton BA, *et al.* 2009. *J. Virol.* 83:6288. PubMed
 11. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
 12. 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:**
1. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook.* Academic Press, San Diego.
 2. Taniguchi T, *et al.* 1993. *Cell* 73:5.
 3. Nisticò G. 1993. *Prog. Neurobiol.* 40:463.
 4. Waldmann T, *et al.* 1993. *Ann. NY Acad. Sci.* 685:603.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	PerCP/Cy5.5 Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC



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