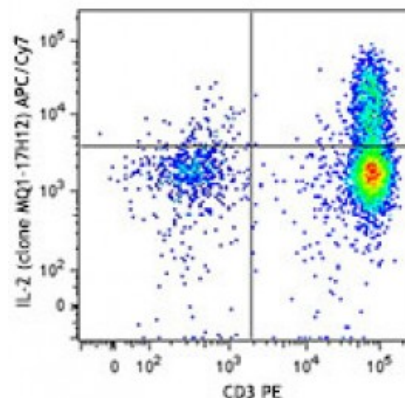


APC/Cy7 anti-human IL-2

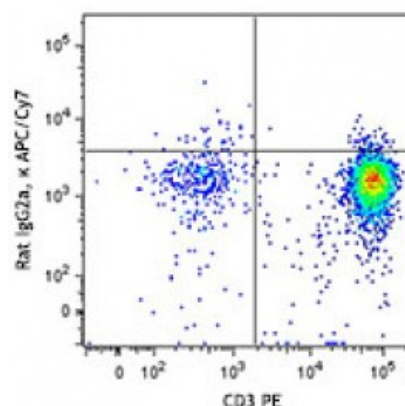
Catalog # / Size:	3101705 / 25 tests 3101710 / 100 tests
Clone:	MQ1-17H12
Isotype:	Rat IgG2a, κ
Immunogen:	<i>E. coli</i> -expressed recombinant human IL-2
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stimulated with PMA + Ionomycin for 6 hours (in the presence of monensin), surface stained with CD3 PE, fixed, permeabilized, and then stained with IL-2 (clone MQ1-17H12) APC/Cy7 (top) or rat IgG2a, κ APC/Cy7

Applications:

Applications:	Flow Cytometry
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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes:	<p>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. 517605) as the detecting antibody. The LEAFTM purified antibody is suggested for ELISPOT capture. For ELISPOT capture applications, a concentration range of 4-8 microg/ml is recommended.</p> <p>Additional reported applications (for the relevant formats) include: immunoprecipitation², immunohistochemical staining of paraformaldehyde-fixed, saponin-treated frozen tissue sections^{1,4-6,8},</p>
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neutralization¹³, and immunocytochemistry.

Note: For testing human IL-2 in serum or plasma, BioLegend's LEGEND MAX™ Kits (Cat. No. 431807 & 431808) are specially developed and recommended.

- Application**
- References:**
1. Andersson J, *et al.* 1994. *Immunology* 83:16. (IHC)
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 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.
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 12. Rout N, *et al.* 2010. *PLoS One* 5:e9787. (FC)
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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. Nistico G. 1993. *Prog. Neurobiol.* 40:463.
 4. Waldmann T, *et al.*