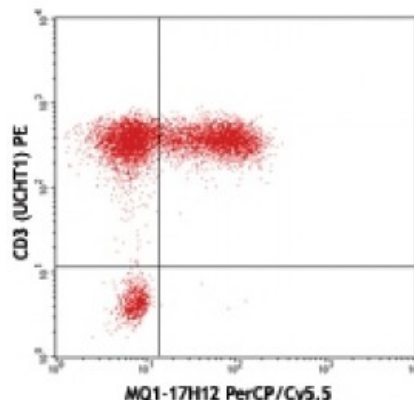


**PerCP/Cy5.5 anti-human IL-2**

<b>Catalog # / Size:</b>	3101610 / 100 tests 3101605 / 25 tests
<b>Clone:</b>	MQ1-17H12
<b>Isotype:</b>	Rat IgG2a, $\kappa$
<b>Immunogen:</b>	<i>E. coli</i> -expressed recombinant human IL-2
<b>Reactivity:</b>	Human
<b>Preparation:</b>	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.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Concentration:</b>	Lot-specific



PMA + ionomycin-stimulated (6 hours) human peripheral blood lymphocytes intracellular stained with MQ1-17H12 PerCP/Cy5.5 and CD3 (UCHT1) PE

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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.

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

<b>Application Notes:</b>	<p><b>ELISA or ELISPOT Capture<sup>2,3</sup>:</b> 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 LEAF<sup>™</sup> purified antibody is suggested for ELISPOT capture. For ELISPOT capture applications, a concentration range of 4-8 microg/ml is recommended.</p> <p><b>Additional reported applications (for the relevant formats) include:</b> immunoprecipitation<sup>2</sup>, immunohistochemical staining of paraformaldehyde-fixed, saponin-treated frozen tissue sections<sup>1,4-6,8</sup>, neutralization<sup>13</sup>, and immunocytochemistry.</p>
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**Note:** For testing human IL-2 in serum or plasma, BioLegend's LEGEND MAX<sup>™</sup> Kits (Cat. No. 431807 & 431808) are specially developed and recommended.

<b>Application References:</b>	<ol style="list-style-type: none"> <li>Andersson J, <i>et al.</i> 1994. <i>Immunology</i> 83:16. (IHC)</li> <li>Abrams J, <i>et al.</i> 1992. <i>Immunol. Rev.</i> 127:5. (IP)</li> <li>Abrams JS. 1995. <i>Curr. Prot. Immunol.</i> Unit 6.20.</li> <li>Fernandez V, <i>et al.</i> 1994. <i>Eur. J. Immunol.</i> 24:1808. (IHC)</li> <li>Skansen-Saphir U, <i>et al.</i> 1994. <i>Eur. J. Immunol.</i> 24:916. (IHC)</li> <li>Andersson U, <i>et al.</i> <i>Detection and Quantification of Gene Expression</i>. New York:Springer-Verlag. (IHC)</li> </ol>
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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.  
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