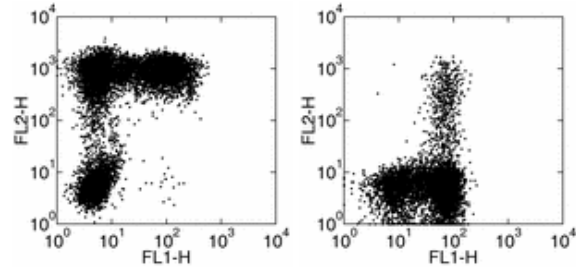


## Product Information

Contents: Affinity Purified anti-human interleukin-2 (IL-2)  
Catalog Number: 14-7029  
Sizes: 50 ug, 500 ug  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>  
Storage Conditions: Store at 4°C.  
Avoid repeated freeze/thaw cycles.  
Clone: MQ1-17H12  
Isotype: Rat IgG2a, κ



Human peripheral blood mononuclear cells were stimulated with PMA and ionomycin in the presence of Brefeldin A for 5 hours. (Left) The cells were surface stained with PE anti-human CD3 (UCHT1) and intracellularly stained with FITC anti-human IL-2 (MQ1-17H12). (Right) The cells were surface stained with FITC anti-human CD3 and intracellularly stained with PE anti-human IL-2.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-7029	FITC anti-human IL-2 (Interleukin-2)	488	518	IC
12-7029	PE anti-human IL-2 (Interleukin-2)	488	575	IC
14-7029	Affinity Purified anti-human IL-2 (Interleukin-2)	N/A	N/A	ELISA cap IC
17-7029	APC anti-human IL-2 (Interleukin-2)	633	660	IC

## Description

The MQ1-17H12 antibody reacts with human interleukin-2 (IL-2), a 17 kDa T cell growth factor and a major immunoregulatory cytokine.

## Usage

For research use only, not for diagnostic or therapeutic use. The MQ1-17H12 antibody has been reported for use as capture antibody for ELISA and for intracellular staining for flow cytometric analysis. Fluorochrome conjugated MQ1-17H12 antibody is recommended for use in intracellular staining for flow cytometry.

## Applications Tested

The MQ1-17H12 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human Interleukin-2 (IL-2) in combination with the biotin anti-human IL-2 poly (13-7028) antibody for detection and recombinant human IL-2 (14-8029) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/ml - 8 pg/ml should be included in each ELISA plate.

## Related Products

Cat. 00-0000 eBioscience 10X ELISA Coating Buffer  
Cat. 44-2404 Nunc MaxiSorp™ flat-bottom 96 well plate  
Cat. 18-4100 Avidin Horse Radish Peroxidase (AV-HRP)  
Cat. 00-4202 eBioscience ELISA Diluent Solution, 5X  
Cat. 00-4203 Super AquaBlue ELISA Substrate  
Cat. 13-7028 Biotin anti-human IL-2 (Interleukin-2) Polyclonal (clone Polyclonal)  
Cat. 14-8029 Recombinant Human IL-2 (Interleukin-2)

## References

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Andersson, J., J. Abrams, et al. 1994. "Concomitant in vivo production of 19 different cytokines in human tonsils." *Immunology* 83: 16-24.

Abrams, J. S., M. G. Roncarolo, et al. 1992. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev* 127: 5-24.

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