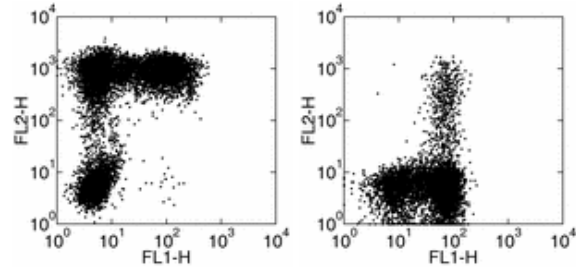


Product Information

Contents: Phycoerythrin (PE) anti-human interleukin-2 (IL-2)
Catalog Number: 12-7029
Sizes: 25 tests, 50 ug, 100 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C
DO NOT FREEZE.
LIGHT SENSITIVE MATERIAL.
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. MQ1-17H12 has been reported for use in intracellular flow cytometric analysis.

Applications Tested

The PE conjugated MQ1-17H12 is offered in 2 formats:

- µg size: has been tested by intracellular flow cytometric analysis of activated human PBMC. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.
- test size: has been pre-titrated and tested by intracellular flow cytometric analysis of activated human PBMC and can be used at 20 µl per million cells 100 µl blood. The pre-titrated test size contains 0.2% BSA.

Related Products

- Cat. 11-4724 Fluorescein isothiocyanate (FITC) Mouse IgG2a, K Isotype Control
- Cat. 12-4724 Phycoerythrin (PE) Mouse IgG2a, K Isotype Control

References

- 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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