

APC anti-human IL-6

Catalog # / Size: 501112 / 100 tests

Clone: MQ2-13A5

Isotype: Rat IgG1, κ

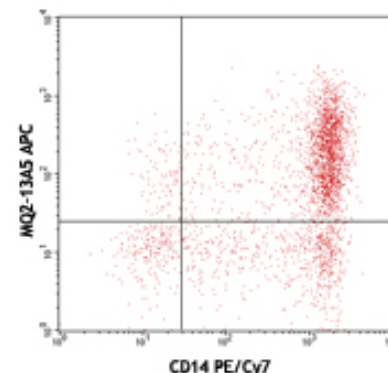
Immunogen: COS-7- expressed, recombinant human IL-6

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC 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 antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



LPS-stimulated (6 hours) human peripheral blood monocytes surface stained with CD14 PE/Cy7 and intracellularly stained with MQ2-13A5 APC

Applications:

Applications: ICFC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: **ELISA or ELISPOT Capture^{1-3,7}:** The purified MQ2-13A5 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated MQ2-39C3 antibody (Cat. No. 501202) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture. **Neutralization^{1-3,5,6}:** The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for neutralization of human IL-6 bioactivity (Cat. No. 501110). The MQ2-13A5 antibody can neutralize the bioactivity of natural or recombinant IL-6.

Application References:

- Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
- Abrams JS. 2001. *Curr. Protoc. Immunol.* Unit 6.20.
- Gaines Das R, *et al.* 1993. *J. Immunol. Methods* 160:147.
- Enriquez J, *et al.* 2002. *Adv. Perit Dial.* 18:177.
- Zou JP, *et al.* 1999. *J. Immunol.* 162:4882.
- Wyant TL, *et al.* 1999. *Infect. Immun.* 67:1338.
- Lesmeister MJ, *et al.* 2005. *Reprod. Biol. Endocrinol.* 3:74.
- Terasaka Y, *et al.* 2010. *Invest. Ophthalmol. Vis. Sci.* 51:2441. PubMed

Description: IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survival of certain B cells and T cells. IL-6 plays a role in host defense, acute phase reactions, immune response, and hematopoiesis. IL-6 is expressed by T cells, B cells, monocytes, fibroblasts, hepatocytes, endothelial cells, and keratinocytes.

Antigen References:

- Fitzgerald, K., *et al.* Eds. 2001. *The Cytokine FactsBook.* Academic Press, San Diego.
- Hirano T. 1998. *Int. Rev. Immunol.* 16:249.
- Patterson P. 1992. *Curr. Opin. Neurobiol.* 2:94.
- van Oers M, *et al.* 1993. *Ann. Hematol.* 66:219.

Related Products:

| Product | Clone | Application |
|-------------------------------------|---------|----------------|
| Cell Staining Buffer | | FC, ICC, ICFC |
| Fixation Buffer | | ICC, ICFC |
| Permeabilization Wash Buffer (10X) | | ICC, ICFC, IHC |
| Brefeldin A Solution (1,000X) | | ICFC |
| Monensin Solution (1,000X) | | ICFC |
| 7-AAD Viability Staining Solution | | FC |
| APC Rat IgG1, κ Isotype Ctrl | RTK2071 | FC, ICFC |



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