

Product Data Sheet

PE anti-human IL-6

Catalog # / Size: 501106 / 25 tests
501107 / 100 tests

Clone: MQ2-13A5

Isotype: Rat IgG1, κ

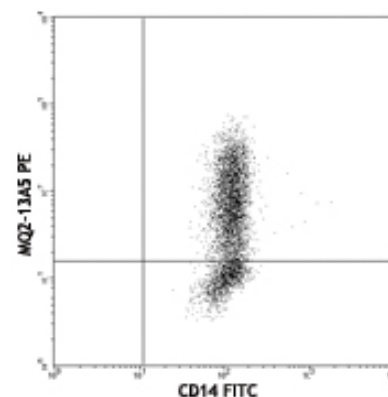
Immunogen: COS-7- expressed, recombinant human IL-6

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: μ g format: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Test format: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide, 0.2% (w/v) BSA (USA origin).

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 were surface stained with CD14 FITC and then intracellularly stained with MQ2-13A5 PE

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:

1. Abrams J, et al. 1992. *Immunol. Rev.* 127:5.
2. Abrams JS. 2001. *Curr. Protoc. Immunol.* Unit 6.20.
3. Gaines Das R, et al. 1993. *J. Immunol. Methods* 160:147.
4. Enriquez J, et al. 2002. *Adv. Perit Dial.* 18:177.
5. Zou JP, et al. 1999. *J. Immunol.* 162:4882.
6. Wyant TL, et al. 1999. *Infect. Immun.* 67:1338.
7. Lesmeister MJ, et al. 2005. *Reprod. Biol. Endocrinol.* 3:74.
8. 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:

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

Related Products:

Product
Cell Staining Buffer
Fixation Buffer
Permeabilization Wash Buffer (10X)
RBC Lysis Buffer (10X)
Brefeldin A Solution (1,000X)
Monensin Solution (1,000X)
PE Rat IgG1, κ Isotype Ctrl

Clone

RTK2071

Application

FC, ICC, ICFC
ICC, ICFC
ICC, ICFC, IHC
FC, ICFC
ICFC
ICFC
FC, ICFC



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