SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human IL-6

Catalog # / Size: 3105605 / 25 tests
3105610 / 100 tests

Clone: MQ2-13A5

Isotype: Rat IgG1, κ

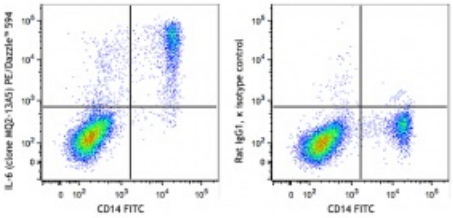
Immunogen: COS-7- expressed, recombinant human IL-6

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzleâ„¢ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzleâ„¢ 594 and unconjugated antibody.

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

Concentration: Lot-specific



LPS-stimulated human peripheral blood mononuclear cells (6 hours) were fixed and permeabilized then intracellularly stained with CD14 FITC and anti-human IL-6 (clone MQ2-13A5) PE/Dazzle™ 594 (left), or rat IgG1, κ PE/Dazzle™ 594 isotype control (right).

Applications:

Applications: Intracellular Flow Cytometry

Recommended Usage: 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 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

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 as the detecting antibody.
Neutralization[1-3,5,6]: The MQ2-13A5 antibody can neutralize the bioactivity of natural or recombinant IL-6.

Additional applications (for the relevant formats) include:
intracellular flow cytometry[10].

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
9. Girndt M, *et al.* 1998. *J. Am. Soc. Nephrol.* 9:1689.

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.