

PerCP/Cy5.5 anti-human IL-6

Catalog # / Size: 3105590 / 100 tests
3105585 / 25 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 PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 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 surface stained with CD14 FITC (HCD14) then intracellularly stained with anti-human IL-6 (clone MQ2-13A5) PerCP/Cy5.5 (top) or rat IgG1, κ PerCP/Cy5.5 isotype control (bottom). D

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 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 (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/μg, Azide-Free, 0.2 μm 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.

Additional applications (for the relevant formats) include:
intracellular flow cytometry¹⁰.

Application 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*

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.
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