

IL-6 Monoclonal Antibody (MQ2-13A5), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MQ2-13A5
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11151511

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	3 Publications

Product Specific Information

Description: The MQ2-13A5 antibody reacts with human interleukin-6 (IL-6), a 21-28 kDa cytokine secreted by a variety of cell types.

Applications Reported: This MQ2-13A5 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This MQ2-13A5 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

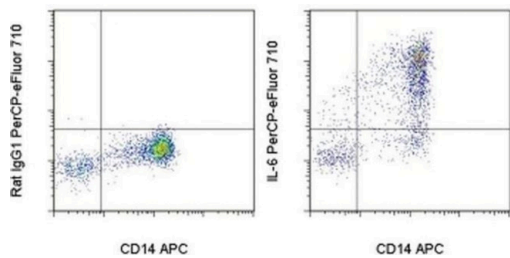
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-6 Monoclonal Antibody (MQ2-13A5), PerCP-eFluor™ 710, eBioscience™



IL-6 Antibody (46-7069-42) in Flow
Normal human peripheral blood cells stimulated for 5 hours with LPS in the presence of monensin were surface stained with Anti-Human CD14 FITC (Product # 11-0149-42). Cells were then fixed and permeabilized using the Fixation & Permeabilization Buffers (Product # 88-8823-88) and intracellularly stained with Rat IgG1 K Isotype Control PerCP-eFluor® 710 (Product # 46-4301-80) (left) or Anti-Human IL-6 PerCP-eFluor® 710 (Product # 46-7069-42) (right). Cells in the monocyte gate were used for analysis.

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3 References

Flow Cytometry (3)

<p>Cancer science</p> <p>Interleukin 6 regulates the expression of programmed cell death ligand 1 in thyroid cancer.</p> <p>"Published figure using IL-6 monoclonal antibody (Product # 46-7069-42) in Flow Cytometry"</p> <p>Authors: Zhang GQ,Jiao Q,Shen CT,Song HJ,Zhang HZ,Qiu ZL,Luo QY</p>	<p>Year</p> <p>2021</p>
<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>Biallelic hypomorphic mutations in a linear deubiquitinase define otulipenia, an early-onset autoinflammatory disease.</p> <p>"Published figure using IL-6 monoclonal antibody (Product # 46-7069-42) in Flow Cytometry"</p> <p>Authors: Zhou Q,Yu X,Demirkaya E,Deutch N,Stone D,Tsai WL,Kuehn HS,Wang H,Yang D,Park YH,Ombrello AK, Blake M,Romeo T,Remmers EF,Chae JJ,Mullikin JC,Güzel F,Milner JD,Boehm M,Rosenzweig SD,Gadina M,Welch SB, Özen S,Topaloglu R,Abinun M,Kastner DL,Aksentijevich I</p>	<p>Year</p> <p>2016</p>

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