

IL-6 Monoclonal Antibody (MQ2-13A5), eFluor 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), eFluor 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MQ2-13A5
Conjugate	eFluor® 450
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574105

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	2 Publications
ELISA (ELISA)	-	1 Publication
T-Cell Activation (TCA)	-	1 Publication

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.

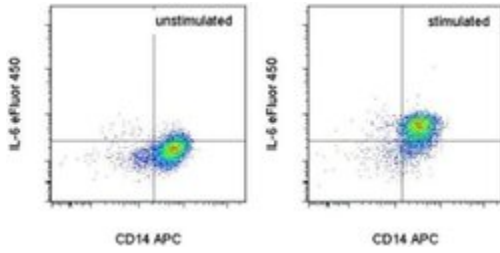
Applications Tested: This MQ2-13A5 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell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

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochohme.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-6 Monoclonal Antibody (MQ2-13A5), eFluor 450, eBioscience™



IL-6 Antibody (48-7069-42) in Flow

Normal human peripheral blood cells were unstimulated (left) or stimulated for 5 hours with LPS (right) in the presence of Protein Transport Inhibitor Cocktail (Product # 00-4980-03). Cells were then fixed and permeabilized with the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and intracellularly stained with Anti-Human CD14 APC (Product # 17-0149-42) and Anti-Human IL-6 eFluor® 450. Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunocytochemistry (1)

Stem cells (Dayton, Ohio)

Mesenchymal Stromal Cell-Derived Interleukin-6 Promotes Epithelial-Mesenchymal Transition and Acquisition of Epithelial Stem-Like Cell Properties in Ameloblastoma Epithelial Cells.

"Published figure using IL-6 monoclonal antibody (Product # 48-7069-42) in Immunofluorescence"

Authors: Jiang C,Zhang Q,Shanti RM,Shi S,Chang TH,Carrasco L,Alawi F,Le AD

Species
Not Applicable

Dilution
Not Cited

Year
2017

Flow Cytometry (2)

Proceedings of the National Academy of Sciences of the United States of America

Biallelic hypomorphic mutations in a linear deubiquitinase define otulipenia, an early-onset autoinflammatory disease.

"Published figure using IL-6 monoclonal antibody (Product # 48-7069-42) in Flow Cytometry"

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

Species
Not Applicable

Dilution
Not Cited

Year
2016

PloS one

TL1A induces TCR independent IL-6 and TNF- production and growth of PLZF leukocytes.

"Published figure using IL-6 monoclonal antibody (Product # 48-7069-42) in Flow Cytometry"

Authors: Reichwald K,Jørgensen TZ,Tougaard P,Skov S

Species
Not Applicable

Dilution
Not Cited

Year
2014

ELISA (1)

Proceedings of the National Academy of Sciences of the United States of America

Biallelic hypomorphic mutations in a linear deubiquitinase define otulipenia, an early-onset autoinflammatory disease.

"Published figure using IL-6 monoclonal antibody (Product # 48-7069-42) in Flow Cytometry"

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

Species
Not Applicable

Dilution
Not Cited

Year
2016

More applications with references on thermofisher.com

TCA (1)

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