

IL-6 Monoclonal Antibody (MQ2-13A5), Alexa Fluor 700, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Alexa Fluor 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MQ2-13A5
Conjugate	Alexa Fluor® 700
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_1548814

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	3 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.

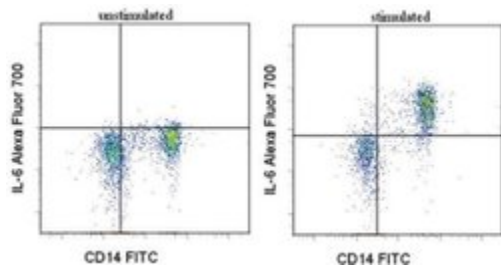
Applications Tested: This MQ2-13A5 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells using the Intracellular Fixation & Permeabilization Buffer Set (cat. 88-8824) and protocol. Please refer to Best Protocols: Protocol A: Two step protocol for (cytoplasmic) intracellular proteins located under the Resources Tab online. This can be used at 5 µL (0.06 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.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-6 Monoclonal Antibody (MQ2-13A5), Alexa Fluor 700, eBioscience™



IL-6 Antibody (56-7069-42) in Flow

Staining of unstimulated (left) or LPS-stimulated (right) normal human peripheral blood cells with Anti-Human CD14 FITC (Product # 11-0149-42) followed by intracellular staining with Anti-Human IL-6 Alexa Fluor® 700 using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol. Cells in the monocyte gate were used for analysis.

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

6 References

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 # 56-7069-42) 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 (3)

Nature immunology

An immunoregulatory and tissue-residency program modulated by c-MAF in human T_H17 cells.

"56-7069 was used in Flow cytometry/Cell sorting to identify c-MAF as a relevant factor that drives two highly divergent post-activation fates of human TH17 cells."

Authors: Aschenbrenner D,Fogliolini M,Jarrossay D,Hu D,Weiner HL,Kuchroo VK,Lanzavecchia A,Notarbartolo S,Sallusto F

Species
Human

Dilution
Not Cited

Year
2018

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 # 56-7069-42) 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

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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 # 56-7069-42) 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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