

# 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
Excitation/Emission Max	696/719 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_1548814

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	4 Publications
ELISA (ELISA)	-	2 Publications
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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

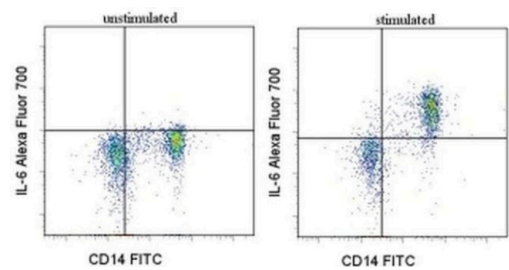
Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP

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.

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## Immunocytochemistry (1)

Stem cells (Dayton, Ohio)	Year 2017
<b>Mesenchymal Stromal Cell-Derived Interleukin-6 Promotes Epithelial-Mesenchymal Transition and Acquisition of Epithelial Stem-Like Cell Properties in Ameloblastoma Epithelial Cells.</b>	
"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	

## Flow Cytometry (4)

Cancer science	Year 2021
<b>Interleukin 6 regulates the expression of programmed cell death ligand 1 in thyroid cancer.</b>	
"Published figure using IL-6 monoclonal antibody (Product # 56-7069-42) in Flow Cytometry"	
Authors: Zhang GQ,Jiao Q,Shen CT,Song HJ,Zhang HZ,Qiu ZL,Luo QY	

Nature immunology	Year 2018
<b>An immunoregulatory and tissue-residency program modulated by c-MAF in human T<sub>H</sub>17 cells.</b>	
"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,Foglierini M,Jarrossay D,Hu D,Weiner HL,Kuchroo VK,Lanzavecchia A,Notarbartolo S,Sallusto F	
Species Human	

[View more Flow references on thermofisher.com](#)

## ELISA (2)

Scientific reports	Year 2021
<b>PLC2 regulates TREM2 signalling and integrin-mediated adhesion and migration of human iPSC-derived macrophages.</b>	
"Published figure using IL-6 monoclonal antibody (Product # 56-7069-42) in ELISA"	
Authors: Obst J,Hall-Roberts HL,Smith TB,Kreuzer M,Magno L,Di Daniel E,Davis JB,Mead E	

## More applications with references on thermofisher.com

TCA (1)
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