

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

## Product Details

Size	50 µg
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	MQ2-13A5
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_468426

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	-	5 Publications
ELISA (ELISA)	2-8 µg/mL	8 Publications
Neutralization (Neu)	-	2 Publications
Inhibition Assays (IA)	-	1 Publication
T-Cell Activation (TCA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	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:** The MQ2-13A5 antibody has been reported for use in capture of human IL-6 by ELISA, intracellular staining for flow cytometric analysis, and for neutralizing IL-6 bioactivity.

**Applications Tested:** The MQ2-13A5 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human Interleukin-6 (IL-6) in combination with the biotin MQ2-39C3 (13-7068) antibody for detection and recombinant human IL-6 (14-8069) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 2-8 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8 pg/mL should be included in each ELISA plate.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

## 19 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 # 14-7069-81) in Immunofluorescence"

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

Year  
2017

### Flow Cytometry (5)

Cancer science

#### Interleukin 6 regulates the expression of programmed cell death ligand 1 in thyroid cancer.

"Published figure using IL-6 monoclonal antibody (Product # 14-7069-81) in Flow Cytometry"

Authors: Zhang GQ,Jiao Q,Shen CT,Song HJ,Zhang HZ,Qiu ZL,Luo QY

Year  
2021

Frontiers in immunology

#### CD19<sup>+</sup>CD24<sup>hi</sup>CD38<sup>hi</sup> B Cells Are Expanded in Juvenile Dermatomyositis and Exhibit a Pro-Inflammatory Phenotype After Activation Through Toll-Like Receptor 7 and Interferon-.

"14-7069-81 was used in Flow Cytometry to identify that immature transitional B cells were significantly expanded in active JDM, actively dividing, and correlated positively with disease activity."

Authors: Piper CJM,Wilkinson MGL,Deakin CT,Otto GW,Dowle S,Duurland CL,Adams S,Marasco E,Rosser EC,Radziszewska A,Carsetti R,Ioannou Y,Beales PL,Kelberman D,Isenberg DA,Mauri C,Nistala K,Wedderburn LR

Year  
2019

Species  
Human

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

### ELISA (8)

Scientific reports

#### PLC2 regulates TREM2 signalling and integrin-mediated adhesion and migration of human iPSC-derived macrophages.

"Published figure using IL-6 monoclonal antibody (Product # 14-7069-81) in ELISA"

Authors: Obst J,Hall-Roberts HL,Smith TB,Kreuzer M,Magno L,Di Daniel E,Davis JB,Mead E

Year  
2021

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

### More applications with references on thermofisher.com

Neu (2)   IA (1)   TCA (1)   Misc (1)

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