

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

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MQ2-13A5
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_469218

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	-	3 Publications
ELISA (ELISA)	Assay-Dependent	2 Publications
Neutralization (Neu)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	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: This MQ2-13A5 antibody has been reported for use in cytokine neutralization, ELISPOT, and ELISA capture.

Applications Tested: The MQ2-13A5 antibody has been tested for neutralizing IL-6 binding and biological activity.

Storage and handling: Use in a sterile environment.

Filtration: 0.2 µm post-manufacturing filtered.

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

Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by LAL assay.

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

9 References

Immunohistochemistry (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. "16-7069 was used in Immunohistochemistry-immunofluorescence to isolate and characterise mesenchymal stromal cells (AM-MSC) and epithelial cells from follicular ameloblastoma, and demonstrate that in vitro AM-MSCs secrete higher levels of IL-6 as compared to epithelial cells." Authors: Jiang C,Zhang Q,Shanti RM,Shi S,Chang TH,Carrasco L,Alawi F,Le AD	Year 2017 Species Mouse Dilution 1:300
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Flow Cytometry (3)

Cancer science Interleukin 6 regulates the expression of programmed cell death ligand 1 in thyroid cancer. "Published figure using IL-6 monoclonal antibody (Product # 16-7069-81) in Flow Cytometry" Authors: Zhang GQ,Jiao Q,Shen CT,Song HJ,Zhang HZ,Qiu ZL,Luo QY	Year 2021
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 # 16-7069-81) 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,Aksentjevich I	Year 2016

View more Flow references on thermofisher.com

ELISA (2)

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 # 16-7069-81) in ELISA" Authors: Obst J,Hall-Roberts HL,Smith TB,Kreuzer M,Magno L,Di Daniel E,Davis JB,Mead E	Year 2021
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More applications with references on thermofisher.com

- FN (1)
- TCA (1)
- Misc (1)

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