



IL-6 Monoclonal Antibody (MP5-20F3), eFluor™ 450, eBioscience™

Product Details	
Size	100 μg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), eFluor™ 450, eBioscience™
Class	Monoclonal
Туре	Antibody
Clone	MP5-20F3
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574103

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 μg/test	5 Publications
ELISA (ELISA)	-	6 Publications
Neutralization (Neu)	-	4 Publications

Product Specific Information

Description: The MP5-20F3 antibody reacts with mouse interleukin-6 (IL-6). The MP5-20F3 antibody is a neutralizing antibody. Mouse IL-6 (also known as B Cell Stimulating Factor, BCSF, and BSF-2) is a 21-28 kDa factor produced by a variety of cell types, including monocytes, fibroblasts and endothelial cells. Upon stimulation, macrophages, T, B, mast, and glial cells, eosinophils, keratinocytes and granulocytes also secrete IL-6. This pleiotrophic cytokine influences the antigen-specific immune response, inflammatory response, and the development of neurons, and is a major mediator of the acute phase reaction.

Applications Reported: This MP5-20F3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This MP5-20F3 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse thioglycolate-elicited peritoneal exudate 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

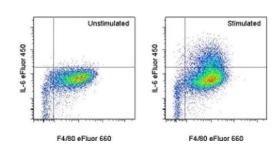
proteins located under the Resources Tab online. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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 fluorochome.

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

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-6 Monoclonal Antibody (MP5-20F3), eFluor™ 450, eBioscience™



IL-6 Antibody (48-7061-82) in Flow

Mouse thioglycolate-elicited peritoneal exudate cells were either unstimulated (left) or stimulated with LPS in the presence of Brefeldin A (Product # 00-4506-51) overnight (right). The cells were surface stained with Anti-Mouse F4/80 Antigen eFluor® 660 (Product # 50-4801-82) and intracellularly stained with 0.25 µg of Anti-Mouse IL-6 eFluor® 450 using the Intracellular Fixation & Perbeabilization Buffer Set (Product # 88-8824-00) and protocol. Total viable cells, as determined by Fixable Viability Dye eFluor® 506 (Product # 65-0866-14), were used for analysis.

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□ 19 References

Immunohistochemistry (2)

Journal of neuroinflammation

Sox2 overexpression alleviates noise-induced hearing loss by inhibiting inflammation-related hair cell apoptosis.

"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunohistochemistry"

Authors: Chen D,Jia G,Zhang Y,Mao H,Zhao L,Li W,Chen Y,Ni Y

Year 2022

Mucosal immunology

Spatial proteomics revealed a CX₃CL1-dependent crosstalk between the urothelium and relocated macrophages through IL-6 during an acute bacterial infection in the urinary bladder.

"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunohistochemistry"

Authors: Bottek J,Soun C,Lill JK,Dixit A,Thiebes S,Beerlage AL,Horstmann M,Urbanek A,Heuer H,Uszkoreit J, Eisenacher M,Bracht T,Sitek B,Hoffmann F,Vijitha N,von Eggeling F,Engel DR

Year 2020

Immunocytochemistry (2)

Journal of neuroinflammation

Sox2 overexpression alleviates noise-induced hearing loss by inhibiting inflammation-related hair cell apoptosis.

"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunohistochemistry" Authors: Chen D,Jia G,Zhang Y,Mao H,Zhao L,Li W,Chen Y,Ni Y

Year 2022

International journal of molecular sciences

Betulinic Acid Ameliorates the Severity of Acute Pancreatitis via Inhibition of the NF-B Signaling Pathway in Mice.

"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunocytochemistry"

Authors: Zhou Z,Choi JW,Shin JY,Kim DU,Kweon B,Oh H,Kim YC,Song HJ,Bae GS,Park SJ

Year 2021

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Flow (5)

ELISA (6)

Neu (4)

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