

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
Type	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

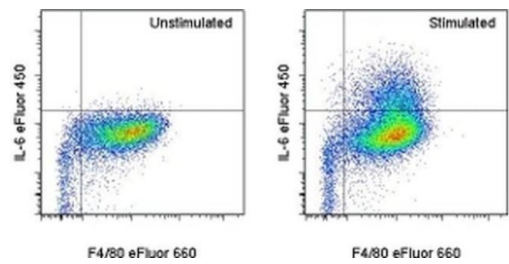
proteins located under the Resources Tab online. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. 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 fluorochrome.

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 & Permeabilization 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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Immunohistochemistry (2)

<p>Journal of neuroinflammation</p> <p>Sox2 overexpression alleviates noise-induced hearing loss by inhibiting inflammation-related hair cell apoptosis.</p> <p>"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunohistochemistry"</p> <p>Authors: Chen D,Jia G,Zhang Y,Mao H,Zhao L,Li W,Chen Y,Ni Y</p>	<p>Year</p> <p>2022</p>
<p>Mucosal immunology</p> <p>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.</p> <p>"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunohistochemistry"</p> <p>Authors: Bottek J,Soun C,Lill JK,Dixit A,Thiebes S,Beerlage AL,Horstmann M,Urbaneck A,Heuer H,Uszkoreit J,Eisenacher M,Bracht T,Sitek B,Hoffmann F,Vijitha N,von Eggeling F,Engel DR</p>	<p>Year</p> <p>2020</p>

Immunocytochemistry (2)

<p>Journal of neuroinflammation</p> <p>Sox2 overexpression alleviates noise-induced hearing loss by inhibiting inflammation-related hair cell apoptosis.</p> <p>"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunohistochemistry"</p> <p>Authors: Chen D,Jia G,Zhang Y,Mao H,Zhao L,Li W,Chen Y,Ni Y</p>	<p>Year</p> <p>2022</p>
<p>International journal of molecular sciences</p> <p>Betulinic Acid Ameliorates the Severity of Acute Pancreatitis via Inhibition of the NF-B Signaling Pathway in Mice.</p> <p>"Published figure using IL-6 monoclonal antibody (Product # 48-7061-82) in Immunocytochemistry"</p> <p>Authors: Zhou Z,Choi JW,Shin JY,Kim DU,Kweon B,Oh H,Kim YC,Song HJ,Bae GS,Park SJ</p>	<p>Year</p> <p>2021</p>

More applications with references on thermofisher.com

- Flow (5)
- ELISA (6)
- Neu (4)

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