

# IL-6 Monoclonal Antibody (MP5-20F3), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP5-20F3
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466165

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	12 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.

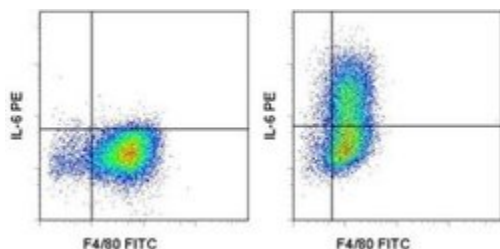
**Applications Reported:** This MP5-20F3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This MP5-20F3 antibody is offered in 2 formats: - µg size: has been tested by intracellular staining and flow cytometric analysis of stimulated peritoneal macrophages. This can be used at less than or equal to 0.25 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. - test size: has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated peritoneal macrophages. This can be used at test size: 5 µL (0.125 µg) per test. The pre-titrated test size contains BSA and/or gelatin for protein stabilization.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



### IL-6 Antibody (12-7061-82) in Flow

Mouse thioglycolate-induced peritoneal exudate cells were stimulated with LPS in the presence of Brefeldin A for 6 hours (right) or unstimulated (left). The cells were surface stained with Anti-Mouse F4/80 Antigen FITC (Product # 11-4801-82) and intracellularly stained with Anti-Mouse IL-6 PE.

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## 12 References

### Flow Cytometry (12)

#### Immunity

#### Osteopontin Expression Identifies a Subset of Recruited Macrophages Distinct from Kupffer Cells in the Fatty Liver.

"12-7061 was used in Flow cytometry/Cell sorting to highlight considerable heterogeneity within the macrophage pool and suggest a need for more specific macrophage targeting strategies in metabolic-associated fatty liver disease (MAFLD)."

Authors: Remmerie A, Martens L, Thoné T, Castoldi A, Seurinck R, Pavie B, Roels J, Vanneste B, De Prijck S, Vanhockerhout M, Binte Abdul Latib M, Devisscher L, Hoorens A, Bonnardel J, Vandamme N, Kremer A, Borghgraef P, Van Vlierberghe H, Lippens S, Pearce E, Saey Y, Scott CL

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2020

#### JCI insight

#### STAT6/Arg1 promotes microglia/macrophage efferocytosis and inflammation resolution in stroke mice.

"12-7061 was used in Flow cytometry/Cell sorting to suggest that efferocytosis via STAT6/Arg1 modulates microglia/macrophage phenotype, accelerates inflammation resolution, and improves stroke outcomes."

Authors: Cai W, Dai X, Chen J, Zhao J, Xu M, Zhang L, Yang B, Zhang W, Rocha M, Nakao T, Kofler J, Shi Y, Stetler RA, Hu X, Chen J

**Species**  
Mouse

**Dilution**  
1:100

**Year**  
2019

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

## More applications with references on thermofisher.com

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