

IL-6 Monoclonal Antibody (MP5-32C11), Biotin, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP5-32C11
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_466910

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.5-2 µg/mL	17 Publications
Neutralization (Neu)	-	1 Publication

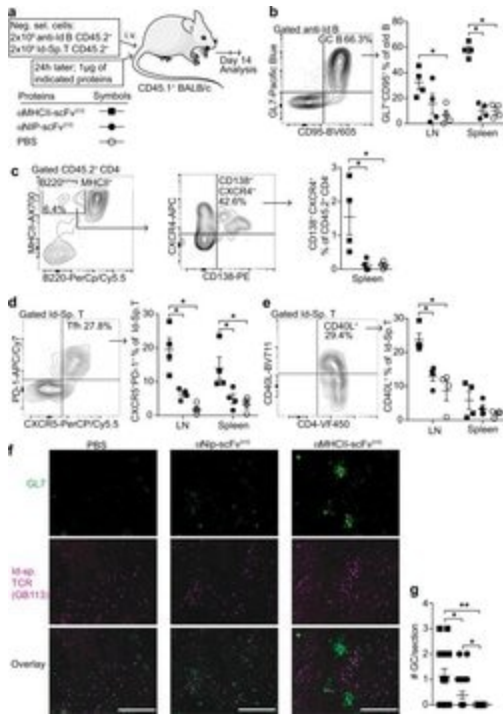
Product Specific Information

Description: The MP5-32C11 antibody reacts with mouse interleukin-6 (IL-6), a 21-28 kDa cytokine secreted by a variety of cell types.

Applications Reported: MP5-32C11 has been reported for use in detection of mouse IL-6 by ELISA and ELISPOT.

Applications Tested: The MP5-32C11 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of mouse Interleukin-6 (IL-6) in combination with the purified MP5-20F3 (14-7061) antibody for capture and recombinant mouse IL-6 (14-8061) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2 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.

Filtration: 0.2 µm post-manufacturing filtered.



IL-6 Antibody (13-7062-81)

Figure 4 Peli1 mediates LPS-induced inflammatory responses in microglia. (a) QPCR analysis of relative mRNA expression for the indicated inflammatory genes in the primary cultured microglia isolated from WT and Peli1 -KO mice, left untreated (NT) or stimulated with LPS (100 ng/ml). (b) ELISA of IL-1beta, IL-6, TNF and nitrites in the supernatant of WT and Peli1 -KO microglia cultures that left untreated (NT) or stimulated with LPS (100 ng/ml) at the indicated time points. (c , d) QPCR analysis of relative mRNA expression for the indicated inflammatory genes in the primary cultured microglia (c) or astrocytes (d) isolated from WT and Peli1 -KO mice, left untreated (NT) or stimulated with IL-1beta (20 ng/ml). The gene expression were normalized to a reference gene Actb (encoding beta-actin) and showed as the relative value to Actb in bar graphs. Data with error bars represent mean +/- SD. Each panel is representative of at least three independent experiment. *P < 0.05, **P < 0.01 as determined by two-way ANOVA with a Bonferroni post test. Cell treatment validation info.

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18 References

ELISA (17)

Frontiers in cellular and infection microbiology

Murine Model of Sinusitis Infection for Screening Antimicrobial and Immunomodulatory Therapies.

"13-7062 was used in an ELISA assay to describe a simple less virulent, epidemic *P. aeruginosa* cystic fibrosis clinical isolate LESB65 model allowing non-invasive tracking of bacterial infection, and screening of host-responses to infection and therapies."

Authors: Alford MA,Choi KG,Trimble MJ,Masoudi H,Kalsi P,Pletzer D,Hancock REW

Species
Mouse

Dilution
Not Cited

Year
2021

International journal of molecular sciences

Vanadium Derivative Exposure Promotes Functional Alterations of VSMCs and Consequent Atherosclerosis via ROS/p38/NF-B-Mediated IL-6 Production.

"Published figure using IL-6 monoclonal antibody (Product # 13-7062-81) in ELISA"

Authors: Yeh CC,Wu JY,Lee GL,Wen HT,Lin P,Kuo CC

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Neutralization (1)

The Journal of experimental medicine

GM-CSF mediates autoimmunity by enhancing IL-6-dependent Th17 cell development and survival.

"13-7062 was used in Blocking experiments to investigate how GM-CSF can promote generation and maintenance of Th17 cells by regulation of IL-6 and IL-23 in vivo."

Authors: Sonderegger I,Iezzi G,Maier R,Schmitz N,Kurrer M,Kopf M

Species
Mouse

Dilution
Not Cited

Year
2008

More applications with references on thermofisher.com

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