

CCL2 (MCP-1) Monoclonal Antibody (2H5), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2H5
Conjugate	PE
Excitation/Emission Max	565/576 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_466171

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	2 Publications

Product Specific Information

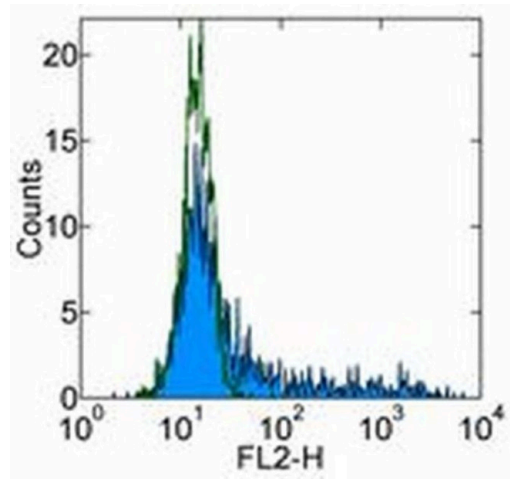
Description: The 2H5 monoclonal antibody reacts with mouse, rat, and human monocyte chemoattractant protein-1 (MCP-1), also known as CCL2 and MCAF.

Applications Reported: The 2H5 antibody has been reported for use in ELISA, intracellular staining for flow cytometric analysis, and neutralization. (Please use Functional Grade purified 2H5 (Product # 16-7096-81) in functional assays).

Applications Tested: This 2H5 antibody is tested by flow cytometric analysis of fixed permabilized LPS-stimulated mouse thioglycolate-elicited peritoneal exudate cells. Has been tested by flow cytometric analysis of fixed permabilized LPS-stimulated mouse thioglycolate-elicited peritoneal exudate cells. 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

Filtration: 0.2 µm post-manufacturing filtered.



CCL2 (MCP-1) Antibody (12-7096-82) in Flow
Staining of 24-hour LPS-stimulated normal human peripheral blood cells with 0.25 µg of Armenian Hamster IgG Isotype Control PE (Product # 12-4888-81) (open histogram) or 0.25 µg of Anti-CCL2 (MCP-1) PE (filled histogram). Cells in the monocyte gate were used for analysis.

2 References

Flow Cytometry (2)

JCI insight	Year 2022
Lysosomal acid lipase, CSF1R, and PD-L1 determine functions of CD11c+ myeloid-derived suppressor cells.	Species Mouse
"12-7096-82 was used in Flow cytometry/Cell sorting to investigate if CD11c+ cells switched their functions to immune suppression and tumor growth stimulation through CSF1R/PD-L1 upregulation and metabolic reprogramming."	
Authors: Zhao T,Liu S,Ding X,Johnson EM,Hanna NH,Singh K,Sen CK,Wan J,Du H,Yan C	
Molecular medicine reports	Year 2015
Conditioned medium from umbilical cord mesenchymal stem cells induces migration and angiogenesis.	Species Human
"Published figure using CCL2 (MCP-1) monoclonal antibody (Product # 12-7096-82) in Flow Cytometry"	
Authors: Shen C,Lie P,Miao T,Yu M,Lu Q,Feng T,Li J,Zu T,Liu X,Li H	

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