

GM-CSF Monoclonal Antibody (MP1-22E9), FITC, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP1-22E9
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 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_465421

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	10 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

Description: The MP1-22E9 antibody reacts with mouse granulocyte/macrophage - colony stimulating factor (GM-CSF). The MP1-22E9 antibody is a neutralizing antibody. Mouse GM-CSF is a 14 kDa factor produced mainly by activated T cells and macrophages. Other cell types, such as endothelium and fibroblasts, also secrete GM-CSF in response to TNF alpha, IL-2, IL-1, and IFN gamma. GM-CSF stimulates growth of macrophages, granulocytes and dendritic cells. GM-CSF is found as a membrane-bound form and also as a complex associated with the extracellular matrix. Non-glycosylated GM-CSF is biologically active.

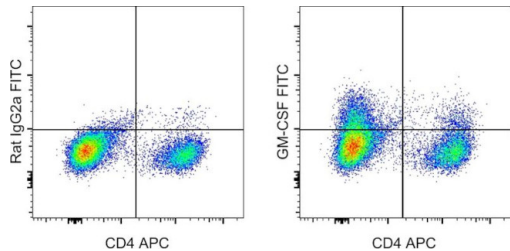
Applications Reported: MP1-22E9 has been reported for use in intracellular flow cytometric analysis.

Applications Tested: This MP1-22E9 antibody is offered in 2 formats: - µg size: has been tested. 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. - test size: has been pre-titrated and tested. This can be used at 5 µL (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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For GM-CSF Monoclonal Antibody (MP1-22E9), FITC, eBioscience™



GM-CSF Antibody (11-7331-82) in Flow
Mouse Cytokine Positive Control Cells (Product # 00-4500-51) were stained with CD4 Monoclonal Antibody, APC (Product # 17-0042-82) and 0.25 µg of Rat IgG2a kappa Isotype Control, FITC (Product # 11-4321-81) (left) or 0.25 µg of GM-CSF Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.

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Western Blot (1)

Journal of the American Society of Nephrology : JASN

GM-CSF Promotes Macrophage Alternative Activation after Renal Ischemia/Reperfusion Injury.

"Published figure using GM-CSF monoclonal antibody (Product # 11-7331-82) in Western Blot"

Authors: Huen SC,Huynh L,Marlier A,Lee Y,Moeckel GW,Cantley LG

Year
2015

Flow Cytometry (10)

Therapeutic advances in chronic disease

Prevention of EAE by tolerogenic vaccination with PEGylated antigenic peptides.

"Published figure using GM-CSF monoclonal antibody (Product # 11-7331-82) in Flow Cytometry"

Authors: Pfeil J,Simonetti M,Lauer U,von Thülen B,Durek P,Poulsen C,Pawlowska J,Kröger M,Krähmer R,Leenders F,Hoffmann U,Hamann A

Year
2023

Nature communications

Itaconate ameliorates autoimmunity by modulating T cell imbalance via metabolic and epigenetic reprogramming.

"Published figure using GM-CSF monoclonal antibody (Product # 11-7331-82) in Flow Cytometry"

Authors: Aso K,Kono M,Kanda M,Kudo Y,Sakiyama K,Hisada R,Karino K,Ueda Y,Nakazawa D,Fujieda Y,Kato M,Amengual O,Atsumi T

Year
2023

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

Neutralization (1)

Journal of the American Society of Nephrology : JASN

GM-CSF Promotes Macrophage Alternative Activation after Renal Ischemia/Reperfusion Injury.

"Published figure using GM-CSF monoclonal antibody (Product # 11-7331-82) in Western Blot"

Authors: Huen SC,Huynh L,Marlier A,Lee Y,Moeckel GW,Cantley LG

Year
2015

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