

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
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	5 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.

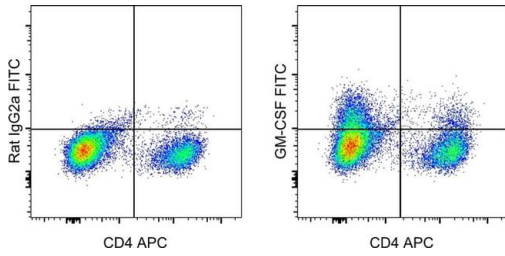
Applications Reported: MP1-22E9 has been reported for use in intracellular flow cytometric analysis.

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.

[View more figures on thermofisher.com](http://thermofisher.com)

7 References

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 Neutralization"

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

Species
Not Applicable

Dilution
Not Cited

Year
2015

Flow Cytometry (5)

Particle and fibre toxicology

Multi-walled carbon nanotube oxidation dependent keratinocyte cytotoxicity and skin inflammation.

"11-7331 was used in Flow cytometry/Cell sorting to examine the role of carboxylation in multi-walled carbon nanotube skin toxicity."

Authors: Palmer BC,Phelan-Dickenson SJ,DeLouise LA

Species
Mouse

Dilution
1:200

Year
2019

Clinical cancer research : an official journal of the American Association for Cancer Research

Cross-talk between T Cells and Hematopoietic Stem Cells during Adoptive Cellular Therapy for Malignant Glioma.

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

Authors: Wildes TJ,Grippin A,Dyson KA,Wummer BM,Damiani DJ,Abraham RS,Flores CT,Mitchell DA

Species
Not Applicable

Dilution
Not Cited

Year
2018

[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 Neutralization"

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

Species
Not Applicable

Dilution
Not Cited

Year
2015

More applications with references on thermofisher.com

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