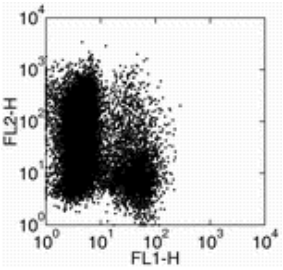
full spectrum cell analysis®
eBioscience®

Anti-Mouse GM-CSF PE

Catalog Number: 12-7331
Also Known As: Granulocyte-macrophage colony stimulating factor, Colony-stimulating factor, CSF12
RUO: For Research Use Only. Not for use in diagnostic procedures.



Mouse splenocytes were stimulated with ConA for 2 days, followed by Mouse IL-2 Recombinant Protein (cat. 14-8021) and Mouse IL-4 Recombinant Protein (cat. 14-8041) for 3 days, and restimulated with immobilized Anti-Mouse CD3e Functional Grade Purified (cat. 16-0031) and soluble Anti-Mouse CD28 Functional Grade Purified (cat. 16-0281) in the presence of Brefeldin A for 5 hours. The cells were surface stained with Anti-Mouse CD4 FITC and intracellularly stained with Anti-Mouse GM-CSF PE.

Product Information

Contents: Anti-Mouse GM-CSF PE
REF **Catalog Number:** 12-7331
Clone: MP1-22E9
Concentration:
(ug): 0.2 mg/mL
(test*): 5 uL (0.125 ug)/test
Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

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-α, IL-2, IL-1, and IFN-γ. 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 tested by intracellular staining and flow cytometric analysis of cultured mouse splencoytes. It is offered in 2 formats:

- µg size: has been tested bu intracellular staining and flow cytometric analysis of cultured mouse splencoytes. 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 10^5 to 10^8 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 bu intracellular staining and flow cytometric analysis of cultured mouse splencoytes. This can be used at 5 µL (0.125 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 10^5 to 10^8 cells/test.

Related Products

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)
14-8021 Mouse IL-2 Recombinant Protein
14-8041 Mouse IL-4 Recombinant Protein
16-0031 Anti-Mouse CD3e Functional Grade Purified (145-2C11)
16-0281 Anti-Mouse CD28 Functional Grade Purified (37.51)

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