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**APC anti-mouse GM-CSF**

**Catalog # / Size:** 3127065 / 25 µg  
3127070 / 100 µg

**Clone:** MP1-22E9

**Isotype:** Rat IgG2a, κ

**Reactivity:** Mouse

**Concentration:** NULL

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** **ELISA or ELISPOT Capture<sup>1,3-5</sup>:** The purified MP1-22E9 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated MP1-31G6 antibody (Cat. No. 505502) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture.

**Flow Cytometry<sup>8</sup>:** The fluorochrome-labeled MP1-22E9 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis to identify GM-CSF -producing cells within mixed cell populations.

**Neutralization<sup>2-4</sup>:** The MP1-22E9 antibody can neutralize the bioactivity of natural or recombinant GM-CSF. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for *in vivo* and *in vitro* neutralization (Cat. No. 505408).

**Additional reported applications (for the relevant formats)**

**include:** immunohistochemical staining of paraformaldehyde-fixed, saponin-treated frozen tissue sections<sup>1,6,7</sup>, and immunocytochemistry<sup>8</sup>.

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**Description:** GM-CSF is a hematopoietic factor that is produced by T cells, macrophages, fibroblasts and endothelial cells. This multifunctional cytokine stimulates progenitor cells of neutrophils, eosinophils, and macrophages. GM-CSF is also a differentiation and activating factor for granulocytic and monocytic cells.