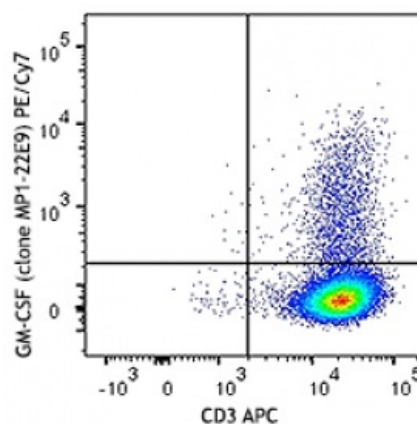


PE/Cy7 anti-mouse GM-CSF

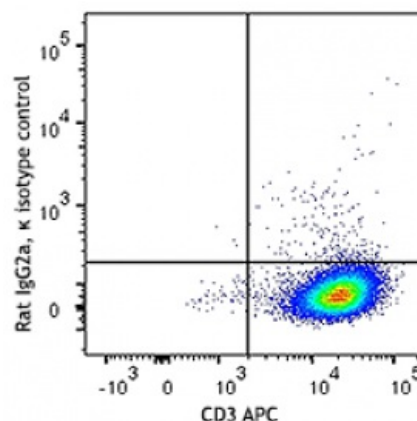
Catalog # / Size:	3127060 / 100 µg 3127055 / 25 µg
Clone:	MP1-22E9
Isotype:	Rat IgG2a, κ
Immunogen:	Yeast-expressed, recombinant mouse GM-CSF
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2 mg/ml



PMA+ Ionomycin-stimulated Th2-polarized BALB/c splenocytes were intracellularly stained with CD3 APC and GM-CSF (clone MP1-22E9) PE/Cy7 (top) or rat IgG2a, κ PE/Cy7 isotype control (bottom).

Applications:

Applications:	Intracellular Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes:	<p>ELISA or ELISPOT Capture^{1,3-5}: 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 as the detecting antibody.</p> <p>Flow Cytometry⁸: 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.</p> <p>Neutralization²⁻⁴: The MP1-22E9 antibody can neutralize the bioactivity of natural or recombinant GM-CSF.</p> <p>Additional reported applications (for the relevant formats) include: immunohistochemical staining of paraformaldehyde-fixed, saponin-treated frozen tissue sections^{1,6,7}, and</p>
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immunocytochemistry⁸.

- Application**
References:
1. Fitzgerald, K., *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press, San Diego.
 2. Demetri, G., *et al.* 1991. *Blood* 78:2791.
 3. Fan, D., *et al.* 1991. *In vivo* 5:571.
 4. Negrin, R.,

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.

- Antigen**
References:
1. Fitzgerald, K., *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press, San Diego.
 2. Demetri, G., *et al.* 1991. *Blood* 78:2791.
 3. Fan, D., *et al.* 1991. *In vivo* 5:571.
 4. Negrin, R.,