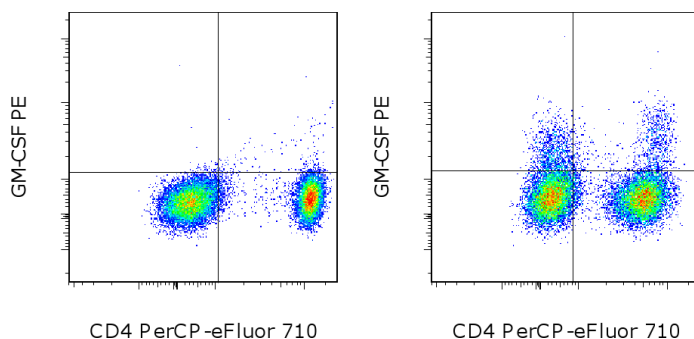


Anti-Human GM-CSF PE

Catalog Number: 12-7356

Also known as: Granulocyte-Macrophage Colony-Stimulating factor, CSF2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Normal human peripheral blood mononuclear cells cultured 5 hours with Protein Transport Inhibitor Cocktail (cat. 00-4980) (unstimulated) (left) or with Cell Stimulation Cocktail (cat. 00-4975) (right), fixed and permeabilized and stained intracellularly with Anti-Human CD4 PerCP-eFluor® 710 (cat. 46-0047) and Anti-Human GM-CSF PE. Viable cells in the lymphocyte gate, as determined by Fixable Viability Dye eFluor® 450 (cat. 65-0863), were used for analysis.

Product Information

Contents: Anti-Human GM-CSF PE
Catalog Number: 12-7356
Clone: GM2F3
Concentration: 5 µL (0.125 µg)/test
Host/Isotype: Mouse IgG1, 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.
Batch Code: Refer to vial
Use By: Refer to vial
Contains sodium azide



Description

This GM2F3 monoclonal antibody reacts with Human Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF). Human GM-CSF is a 127 amino acid, differentially glycosylated factor produced mainly by activated T cells and macrophages. Endothelial cells and fibroblasts can also produce GM-CSF after exposure to TNF alpha, IL-1, IL-2 and IFN gamma. GM-CSF is found associated with the extracellular matrix and in membrane-bound formats as well. It stimulates proliferation, activation and differentiation of macrophages, granulocytes and their progenitors.

Applications Reported

This GM2F3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This GM2F3 antibody has been pre-titrated and tested by intracellular staining followed by flow cytometric analysis of stimulated normal human peripheral blood cells. 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 10⁵ to 10⁸ cells/test.

References

Shi Y, Liu CH, Roberts AI, Das J, Xu G, Ren G, Zhang Y, Zhang L, Yuan ZR, Tan HS, Das G, Devadas S. Granulocyte-macrophage colony-stimulating factor (GM-CSF) and T-cell responses: what we do and don't know. Cell Res. 2006 Feb;16(2):126-33.

Metcalf D. The molecular biology and functions of the granulocyte-macrophage colony-stimulating factors. Blood. 1986 Feb;67(2):257-67.

Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)
00-4980 Protein Transport Inhibitor Cocktail (500X)
12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

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46-0047 Anti-Human CD4 PerCP-eFluor® 710 (SK3 (SK-3))

65-0863 Fixable Viability Dye eFluor® 450

88-8823 Fixation & Permeabilization Buffers