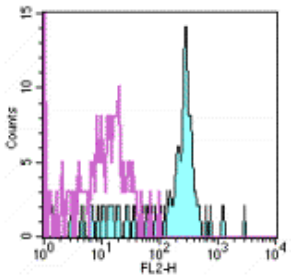
full spectrum cell analysis®
eBioscience®

Anti-Human CD116 PE

Catalog Number: 12-1169
Also Known As:GM-CSF Receptor alpha, CSF2RA
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (open histogram) or Anti-Human CD116 PE (filled histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD116 PE
REF **Catalog Number:** 12-1169
Clone: 4H1
Concentration: 5 uL (0.5 ug)/test
Host/Isotype: Mouse IgG1, kappa
HLDA Workshop: N/A

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 4H1 monoclonal antibody reacts with the human CD116 molecule, the α subunit of GM-CSF receptor. The α subunit associates with the common β chain (CD131) to form the high affinity receptor for GM-CSF. The GM-CSFR α chain is expressed by granulocytes, monocytes, endothelial cells, fibroblasts and some tumor cells.

Applications Reported

4H1 has been reported for use in flow cytometric analysis.

Applications Tested

This 4H1 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µL (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 10^5 to 10^8 cells/test.

References

Sun, Q., K. Jones, et al. (1999). Simultaneous antagonism of interleukin-5, granulocyte-macrophage colony-stimulating factor, and interleukin-3 stimulation of human eosinophils by targetting the common cytokine binding site of their receptors. Blood 94(6): 1943-51.
Woodcock, J. M., B. J. McClure, et al. (1997). The human granulocyte-macrophage colony-stimulating factor (GM-CSF) receptor exists as a preformed receptor complex that can be activated by GM-CSF, interleukin-3, or interleukin-5. Blood 90(8): 3005-17.
Lopez, A. F., M. A. Vadas, et al. (1991). Interleukin-5, interleukin-3, and granulocyte-macrophage colony-stimulating factor cross-compete for binding to cell surface receptors on human eosinophils. J Biol Chem 266(36): 24741-7.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com