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30-1076-AC: Anti-CD114 / G-CSFR Monoclonal Antibody (Clone:LMM741) APC Conjugated

Clonality: Monoclonal **Clone Name:** LMM741 FACS Application: Reactivity: Human Conjugate: APC Gene: CSF3R Gene ID: 1441 **Uniprot ID:** 099062 Format: **Purified Alternative Name:** CSF3R,GCSFR Isotype: Mouse IgG1

Immunogen Information: CHO cells transfected with human CD114

Description

CD114 / G-CSFR (granulocyte colony-stimulating factor receptor, also known as CSF3R) is a type I transmembrane glycoprotein which upon binding of its ligand (G-CSF, granulocyte colony-stimulating factor) homodimerizes and activates signaling transduction to mediate cell proliferation, survival, and differentiation. It is expressed by granulocytes at all stages of their differentiation, as well as by monocytes, dendritic cells, and mature platelets. Among non-hematopoietic cells, it is expressed e.g. by endothelial cells, placenta, trophoblasts, and many tumor cell lines. This antigen is a target for stem cell mobilization for blood stem cell transplantation, for enhancing recovery of myelopoiesis following chemotherapy and in the treatment of patients with severe chronic neutropenia.

Product Info

Amount: 100 Tests

Purification : Purified by protein-A affinity chromatography

Content: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Storage condition : Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 μ l reagent / 100 μ l of whole blood or 106 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.



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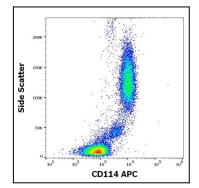


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD114 (LMM741) APC antibody

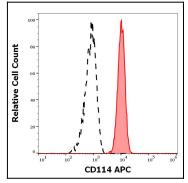


Figure 2: Separation of human neutrophil granulocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD114 (LMM741) APC antibody