

1P-157-T100

Monoclonal Antibody to CD114 / G-CSFR Phycoerythrin (PE) conjugated (100 tests)

Clone: LMM741

Isotype: Mouse IgG1

Specificity: The mouse monoclonal antibody LMM741 recognizes CD114 (colony stimulating

factor 3 receptor), a 130 kDa transmembrane glycoprotein expressed on granulocytes and their differentiation stages, on monocytes, platelets, endothelial

cells and placenta. It is absent from lymphocytes and erythrocytes.

HLDA VI; WS Code MA98

Regulatory Status: RUO

Immunogen: CHO cells transfected with human CD114

See vial label

Species Reactivity: Human

Negative Species: Mouse

Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 5

μl reagent / 100 μl of whole blood or 10° cells in a suspension.

The content of a vial (0.5 ml) is sufficient for 100 tests.

Expiration: See vial label

Lot Number:

Background: 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 DATA SHEET

References:

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