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Datasheet for ABIN2967164
anti-CSF3R antibody (PE)

1 Image

Overview

Quantity:	100 tests
Target:	CSF3R
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CSF3R antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	CHO cells transfected with human CD114
Clone:	LMM741
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody LMM741 recognizes an extracellular epitope of 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.
No Cross-Reactivity:	Mouse
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

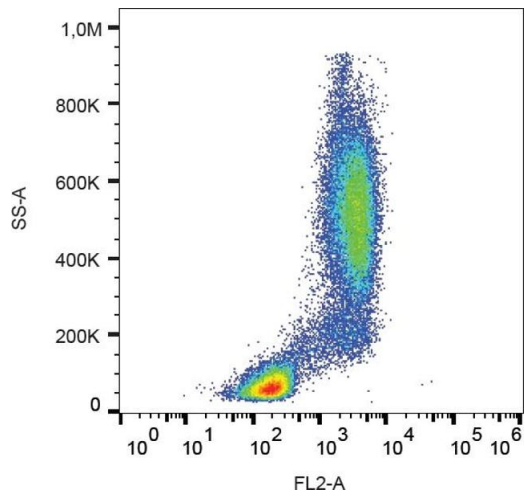
Target:	CSF3R
Alternative Name:	CD114 / G-CSFR (CSF3R Products)
Background:	Colony stimulating factor 3 receptor,CD114 / G-CSFR (granulocyte colony-stimulating factor receptor, also known as CSF3R) is a type I transmembrane glycoprotein which upon binding of its ligand (G-CSF, granulocyte colony-stimulating 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.,GCSFR, CSF3R, SCN7
Gene ID:	1441
UniProt:	Q99062

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	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.
Restrictions:	For Research Use only

Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of CD114 in human peripheral blood with anti-CD114 (LMM741) PE.