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# anti-CSF3R antibody

2 Images



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#### Overview

Quantity:	0.1 mg
Target:	CSF3R
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CSF3R antibody is un-conjugated
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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## **Target Details**

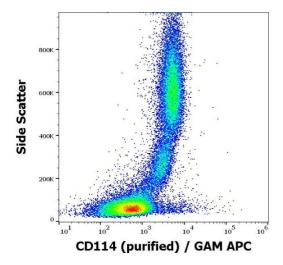
Target:	CSF3R
Alternative Name:	CD114 / G-CSFR (CSF3R Products)
Background:	Colony stimulating factor 3 receptor,CD114 / G-CSFR (granulocyte colony-stimulating factor receptor, also known as CSF3R) is a type I transmembrane glycoprotein which upon binding of its ligand (G-CSF, granulocyte colony-stimulating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

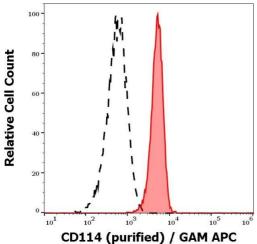
## **Application Details**

Application Notes:	Flow cytometry: Recommended dilution: 1-4 μg/mL.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	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. Do not freeze.





### **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD114 (LMM741) purified antibody (concentration in sample 9  $\mu$  g/mL) GAM APC.

#### **Flow Cytometry**

**Image 2.** Separation of human neutrophil granulocytes (red-filled) from CD114 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD114 (LMM741) purified antibody (concentration in sample 9  $\mu$  g/mL) GAM APC.