

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

Clonality :	Monoclonal
Clone Name :	LMM741
Application :	FACS
Reactivity :	Human
Gene :	CSF3R
Gene ID :	1441
Uniprot ID :	Q99062
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 :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

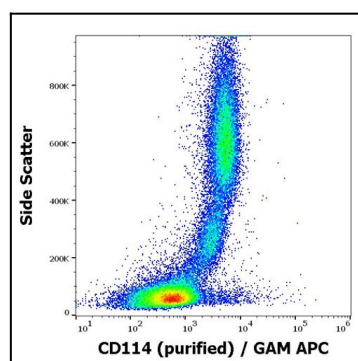


Figure 1: Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD114 purified antibody GAM APC.