

Mouse anti-Human CD114 Monoclonal Antibody | anti-CD114 antibody

Anti-Hu CD114 Purified

CATALOG # AAA128663	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD114; Monoclonal Antibody; Anti-Hu CD114 Purified; colony stimulating factor 3 receptor; GCSFR; CSF3R; G-CSF receptor; SCN7; anti-CD114 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	LMM741
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.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	783
Applicable Applications for anti-CD114 antibody	FCM/FACS (Flow Cytometry)
Immunogen	CHO cells transfected with human CD114
Negative Species	Mouse
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD114 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27437045
NCBI GeneID	1441
NCBI Accession #	NP_758519.1

NCBI GenBank Nucleotide #	NP_758519.1
UniProt Accession #	Q99062
NCBI Official Full Name	granulocyte colony-stimulating factor receptor isoform d
NCBI Official Synonym Full Names	colony stimulating factor 3 receptor
NCBI Official Symbol	CSF3R
NCBI Official Synonym Symbols	SCN7; CD114; GCSFR
NCBI Protein Information	granulocyte colony-stimulating factor receptor
UniProt Protein Name	Granulocyte colony-stimulating factor receptor
UniProt Gene Name	CSF3R
UniProt Synonym Gene Names	GCSFR; G-CSF receptor; G-CSF-R
UniProt Entry Name	CSF3R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd114-antibody-clone-lmm741-flow-cytometry-elisa/128663>