

## Monoclonal Antibody to CD114 / CSF3R - PE

<b>Alternate names:</b>	G-CSF Receptor, G-CSF-R, GCSF Receptor, GCSFR, Granulocyte colony-stimulating factor receptor
<b>Catalog No.:</b>	SM1180RT
<b>Quantity:</b>	25 Tests
<b>Background:</b>	The protein encoded by the GCSF Receptor gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Four transcript variants encoding four different isoforms have been found for this gene, of which three are membrane-bound and the one secreted and soluble. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia.
<b>Uniprot ID:</b>	<a href="#">Q99062</a>
<b>NCBI:</b>	<a href="#">NP_000751.1</a>
<b>GeneID:</b>	<a href="#">1441</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	LMM775
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein A. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and 1% BSA and 5% sucrose as stabilizers. <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with 0.25 ml distilled water.
<b>Applications:</b>	Flow Cytometry. Use 10 ul of neat antibody to label 10E6 cells or 100 ul of whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the G-CSF receptor, expressed by peripheral blood granulocytes and some myeloid cell lines. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Prior to and following reconstitution store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General References:</b>	1. Nicholson, S.E. et al. (1994) Tyrosine kinase JAK1 is associated with the granulocyte-colony-stimulating factor receptor and both become tyrosine-phosphorylated after receptor activation. Proc. Natl. Acad. Sci. USA. 91: 2985-2988.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
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