

## ARG42287 anti-G-CSF Receptor antibody [LMM741] (PE)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [LMM741] recognizes G-CSF Receptor
Tested Reactivity	Hu
Species Does Not React With	Ms
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	LMM741
Isotype	IgG1, kappa
Target Name	G-CSF Receptor
Species	Human
Immunogen	CHO cells transfected with Human CD114.
Conjugation	PE
Alternate Names	G-CSF receptor; CD114; CD antigen CD114; G-CSF-R; GCSFR; Granulocyte colony-stimulating factor receptor

### Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>10 µl / 100 µl of whole blood or 10<sup>6</sup> cells</td></tr></tbody></table>	Application	Dilution	FACS	10 µl / 100 µl of whole blood or 10 <sup>6</sup> cells
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FACS	10 µl / 100 µl of whole blood or 10 <sup>6</sup> cells				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

### Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

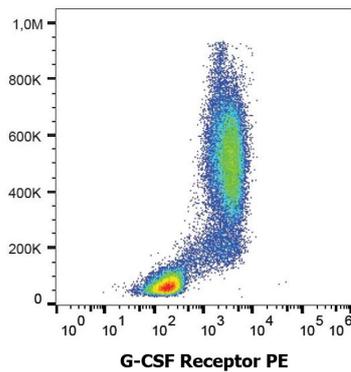
## Bioinformation

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Gene Symbol	CSF3R
Gene Full Name	colony stimulating factor 3 receptor (granulocyte)
Background	The protein encoded by this 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. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq, Aug 2010]
Function	Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface. [UniProt]
Calculated Mw	92 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Isoform 2: Secreted. Cell membrane; Single-pass type I membrane protein. [UniProt]

## Images

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ARG42287 anti-G-CSF Receptor antibody [LMM741] (PE) FACS image

Flow Cytometry: Human peripheral blood stained with ARG42287 anti-G-CSF Receptor antibody [LMM741] (PE).