

## ARG53918 anti-CD99R antibody [MEM-131] (PE)

Package: 100 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [MEM-131] recognizes CD99R
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone MEM-131 reacts with CD99R, an epitope restricted to a subset of CD99 molecule expressed on myeloid cells, NK cells and T lymphocytes. HLDA V; WS Code AS S020 HLDA V; WS Code T T-E2.02 HLDA V; WS Code T T-017
Host	Mouse
Clonality	Monoclonal
Clone	MEM-131
Isotype	IgM
Target Name	CD99R
Species	Human
Immunogen	HPB-ALL human peripheral blood leukemia T-cell line
Conjugation	PE
Alternate Names	12E7; CD99 antigen; MIC2X; MIC2Y; CD antigen CD99; MSK5X; Protein MIC2; MIC2; T-cell surface glycoprotein E2; HBA71; E2 antigen

### Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>20 µl / 10<sup>6</sup> cells</td></tr></tbody></table>	Application	Dilution	FACS	20 µl / 10 <sup>6</sup> cells
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FACS	20 µl / 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 Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	TBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
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.

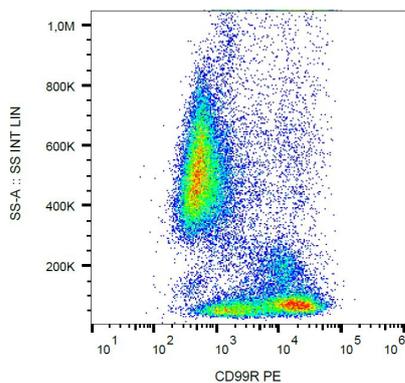
**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 4267 Human</a> <a href="#">Swiss-port # P14209 Human</a>
Gene Symbol	CD99
Gene Full Name	CD99 molecule
Background	The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2013]
Function	Involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Involved in T-cell adhesion processes (By similarity). [UniProt]
Research Area	Cancer antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	19 kDa
PTM	Extensively O-glycosylated.

## Images



ARG53918 anti-CD99R antibody [MEM-131] (PE) FACS image

Flow Cytometry: Human peripheral blood stained with ARG53918 anti-CD99R antibody [MEM-131] (PE).