

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> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>FACS</td><td>20 µl / 10⁶ cells</td></tr> </table>	Application	Dilution	FACS	20 µl / 10 ⁶ cells
Application	Dilution				
FACS	20 µl / 10 ⁶ 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

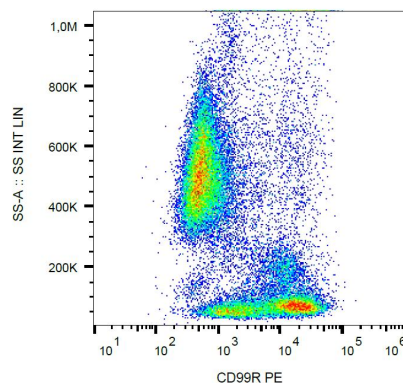
repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

Database links	GeneID: 4267 Human Swiss-port # P14209 Human
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).