

Datasheet for ABIN457371
anti-CD99 antibody (PE)



[Go to Product page](#)

1 Image **2** Publications

Overview

Quantity:	100 tests
Target:	CD99
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD99 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD99R PE
Immunogen:	HPB-ALL human peripheral blood leukemia T-cell line
Clone:	MEM-131
Isotype:	IgM
Specificity:	The antibody MEM-131 reacts with CD99R, an extracellular epitope restricted to a subset of CD99 Molecule expressed on myeloid cells, NK cells and T lymphocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD99
Alternative Name:	CD99R (CD99 Products)
Background:	CD99 (E2, MIC2) is a transmembrane glycoprotein that is involved in regulation of T cell adhesive properties and programmed cell death distinct from typical apoptosis course. CD99 roles are specific to certain stages of T cell differentiation such as corticothymocytes. CD99R isoform expression is restricted in the haematopoietic system to T, NK and myeloid cells.,MIC2, HBA71, blood group Xg

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

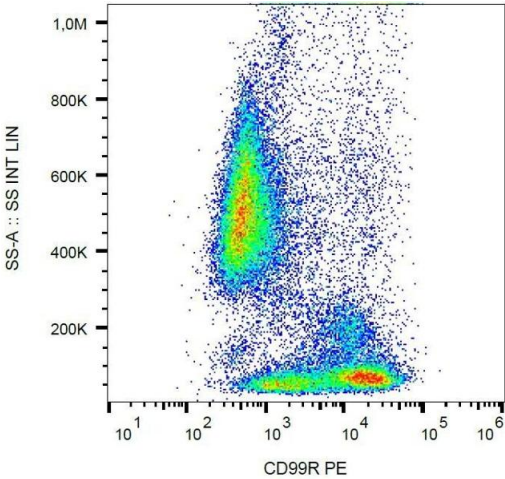
Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:	Cermák, Símová, Pintzas, Horejsí, Andera: "Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules." in: The Journal of biological chemistry , Vol. 277, Issue 10, pp. 7955-61, (2002) (PubMed). Olweus, Lund-Johansen, Terstappen: "CD64/Fc gamma RI is a granulo-monocytic lineage
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marker on CD34+ hematopoietic progenitor cells." in: **Blood**, Vol. 85, Issue 9, pp. 2402-13, (1995) ([PubMed](#)).



Flow Cytometry

Image 1. Surface staining of human peripheral blood with anti-CD99R (MEM-131) PE.