

TECHNICAL DATA SHEET

CyFlow™ CD99R FITC **Anti-Hu; Clone MEM-131**

REF AV675304

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD99R
Alternative Names	E2
Clone	MEM-131
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgM
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	HPB-ALL human peripheral blood leukemia T-cell line

Specificity

The mouse monoclonal antibody MEM-131 recognizes CD99R antigen, an epitope restricted to a subset of CD99 molecule expressed on myeloid cells, NK cells and T lymphocytes.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 20 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing Tris buffered saline (TBS) solution, pH ≈8.0, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

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.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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