

TECHNICAL DATA SHEET

CyFlow™ CD99R Purified Anti-Hu; Clone MEM-131

REF AB319714

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

Specifications

Antigen	CD99R
Alternative Names	E2
Clone	MEM-131
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgM
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (paraffin-embedded sections)

Storage Buffer

The reagent is provided in 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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- Doussis IA, Gatter KC, Mason DY: CD68 reactivity of non-macrophage derived tumours in cytological specimens. J Clin Pathol. 1993 Apr; 46(4):334-6. < PMID: 7684403 >
- Bernard G, Zoccola D, Deckert M, Breitmayer JP, Ausset C, Bernard A: The E2 molecule (CD99) specifically triggers homotypic aggregation of CD4+ CD8+ thymocytes. J Immunol. 1995 Jan 1; 154(1):26-32. < PMID: 7527813 >
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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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