



Antibodies

11-236-C025

Monoclonal Antibody to CD99R Purified Antibody (0.025 mg)

Clone:	MEM-131
Isotype:	Mouse IgM
Specificity:	The antibody 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
Regulatory Status:	RUO
Immunogen:	HPB-ALL human peripheral blood leukemia T-cell line
Species Reactivity:	Human
Application:	Flow Cytometry Recommended dilution: 1 µg/ml Immunoprecipitation Western Blotting Application note: Non-reducing conditions. Immunohistochemistry (paraffin sections) Recommended dilution: 10 µg/ml Positive tissue: thymic lymphocytes
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by precipitation and chromatography
Concentration:	1 mg/ml
Storage Buffer:	Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
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.

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

**Antibodies**

- References:**
- *Gelin C, Aubrit F, Phalipon A, Raynal B, Cole S, Kaczorek M, Bernard A: The E2 antigen, a 32 kd glycoprotein involved in T-cell adhesion processes, is the MIC2 gene product. *EMBO J.* 1989 Nov;8(11):3253-9.
 - *Bernard G, Zoccola D, Deckert M, Breittmayer JP, Aussel C, Bernard A: The E2 molecule (CD99) specifically triggers homotypic aggregation of CD4+ CD8+ thymocytes. *J Immunol.* 1995 Jan 1;154(1):26-32.
 - *Bernard G, Breittmayer JP, de Matteis M, Trampont P, Hofman P, Senik A, Bernard A: Apoptosis of immature thymocytes mediated by E2/CD99. *J Immunol.* 1997 Mar 15;158(6):2543-50.
 - *Bernard G, Raimondi V, Alberti I, Pourtein M, Widjenes J, Ticchioni M, Bernard A: CD99 (E2) up-regulates alpha4beta1-dependent T cell adhesion to inflamed vascular endothelium under flow conditions. *Eur J Immunol.* 2000 Oct;30(10):3061-5.
 - *Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995).
 - *Cermak L, Simova S, Pintzas A, Horejsi V, Andera L: Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules. *J Biol Chem.* 2002 Mar 8;277(10):7955-61.
 - *Olweus J, Lund-Johansen F, Terstappen LW: CD64/Fc gamma RI is a granulo-monocytic lineage marker on CD34+ hematopoietic progenitor cells. *Blood.* 1995 May 1;85(9):2402-13.

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