

Product datasheet for **SM3041P**

CD99 (CD99R Isoform) Mouse Monoclonal Antibody [Clone ID: MEM-131]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-131
Applications:	FC, IP, WB
Recommended Dilution:	Flow Cytometry. Immunoprecipitation. Western Blotting under non reducing conditions. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml, Positive tissue: thymic lymphocytes
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	HPB-ALL human peripheral blood leukemia T-cell line
Specificity:	The antibody reacts with CD99R, an epitope restricted to a subset of CD99 molecule expressed on myeloid cells, NK cells and T lymphocytes.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Precipitation methods; purity: > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C. Do not freeze.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD99 molecule
Database Link:	Entrez Gene 4267 Human P14209



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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.

Synonyms: E2 antigen, 12E7, MIC2X, MIC2Y