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## anti-CD99 antibody

Publication **Images** 



#### Overview

Quantity:	0.1 mg
Target:	CD99
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD99 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

#### **Product Details**

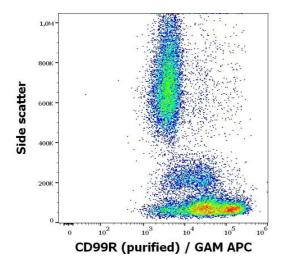
Immunogen:	HPB-ALL human peripheral blood leukemia T-cell line
Clone:	MEM-131
Isotype:	lgM
Specificity:	The antibody MEM-131 reacts with CD99R, an extracellular epitope restricted to a subset of CD99 Molecule expressed on myeloid cells, NK cells and T lymphocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Purity:	> 95 % (by SDS-PAGE)

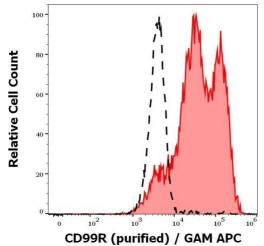
### **Target Details**

rarget Details	
Target:	CD99
Alternative Name:	CD99R (CD99 Products)
Target Type:	Viral Protein
Background:	CD99 (E2, MIC2) is a transmembrane glycoprotein that is involved in regulation of T cell
	addhesive 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:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 μg/mL, positive tissue:
	thymic lymphocytes.
	Flow cytometry: Recommended dilution: 1 µg/mL.
	Western blotting: Non-reducing conditions.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.
Publications	
Product cited in:	Olweus, Lund-Johansen, Terstappen: "CD64/Fc gamma RI is a granulo-monocytic lineage
	mandian an ODO41 hamatan sistia nuamanitan cella llim <b>Di</b> a 10/21 OF January 0 and 0400 40 /4005

) (PubMed).

marker on CD34+ hematopoietic progenitor cells." in: **Blood**, Vol. 85, Issue 9, pp. 2402-13, (1995





#### **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD99R (MEM-131) purified antibody (concentration in sample 0,6  $\mu$  g/mL, GAM APC).

#### **Flow Cytometry**

**Image 2.** Separation of human lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD99R (MEM-131) purified antibody (concentration in sample 0,6 μg/mL, GAM APC).