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Datasheet for ABIN94260
anti-CD99 antibody (FITC)

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Overview

Quantity:	100 tests
Target:	CD99
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD99 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	HPB-ALL human peripheral blood leukemia T-cell line
Clone:	MEM-131
Isotype:	IgM
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 antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD99
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Target Details

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 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. MIC2, HBA71, blood group Xg

Application Details

Application Notes: Flow cytometry: The reagent is designed for analysis of human blood cells using 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.

Comment: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

Restrictions: For Research Use only

Handling

Reconstitution: No reconstitution is necessary.

Buffer: Stabilizing 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.**
Avoid prolonged exposure to light.

Storage: 4 °C

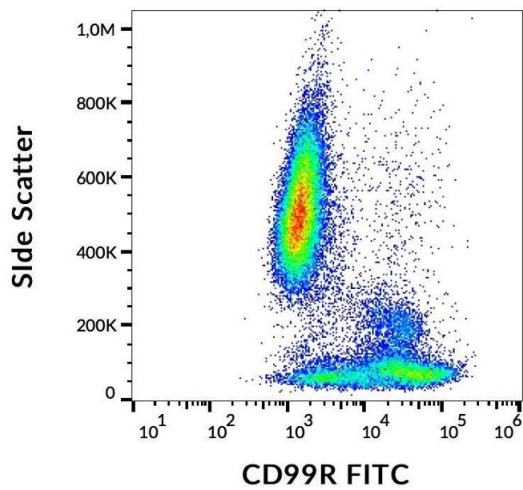
Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Cermák, Símová, Pintzas, Horejsí, Andera: "Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules." in:

The Journal of biological chemistry, Vol. 277, Issue 10, pp. 7955-61, (2002) ([PubMed](#)).

Olweus, Lund-Johansen, Terstappen: "CD64/Fc gamma RI is a granulo-monocytic lineage marker on CD34+ hematopoietic progenitor cells." in: **Blood**, Vol. 85, Issue 9, pp. 2402-13, (1995) ([PubMed](#)).



Flow Cytometry

Image 1. Surface staining of human peripheral blood with anti-CD99R (MEM-131) FITC.