

TECHNICAL DATA SHEET

CyFlow™ CD99 Purified Anti-Hu; Clone 3B2/TA8



CD390884

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

Specifications

Antigen	CD99
Alternative Names	MIC2, E2
Clone	3B2/TA8
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	_
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Human thymocytes

Specificity

The mouse monoclonal antibody 3B2/TA8 recognizes CD99 antigen, a 32 kDa sialoglycoprotein expressed on many cell types, with particularly strong expression on Ewing's sarcoma and peripheral

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: <u>info@sysmex-partec.com</u>

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primitive neuroectodermal tumors. Within the hematopoietic system, CD99 is expressed on virtually all cell types except granulocytes.

Application

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

· Flow cytometry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, 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 is a ubiquitous transmembrane type I sialoglycoprotein of a unique and poorly characterized protein family. CD99 is heavily O-glycosylated and was described as a T cell costimulator and strong activator of integrin-mediated actin cytoskeleton assembly, promoting cell adhesion and homotypic aggregation, immediate arrest on an inflamed vascular endothelium, and cell migration through it. Ligation of CD99 under some conditions can lead to apoptosis. Originally CD99 was described as a human thymus leukemia antigen, an Ewing's sarcoma-specific membrane marker, and an adhesion molecule involved in spontaneous rosette formation of T cells with erythrocytes.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.	

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