

TECHNICAL DATA SHEET

CyFlow™ CD55 Purified Anti-Hu; Clone MEM-118

REF AG388430

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

Specifications

Antigen	CD55
Alternative Names	DAF
Clone	MEM-118
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgM
Species Reactivity	Human, Non-Human Primates
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	HPB-ALL human T cell line

Specificity

The mouse monoclonal antibody MEM-118 recognizes an epitope in SCR4 domain of CD55 antigen, a 60-70 kDa glycosylphosphatidylinositol (GPI)-anchored single chain glycoprotein. CD55 is widely expressed on hematopoietic and on many non-hematopoietic cells; it is weakly present on NK cells.

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Application

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

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry (paraffin-embedded sections)

Storage Buffer

The reagent is provided in Tris buffered saline (TBS) solution, pH ≈8.0, 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

CD55 (DAF; decay-accelerating factor) is a GPI-anchored membrane glycoprotein that protects autologous cells from classical and alternative pathway of complement cascade. Bidirectional interactions between CD55 and CD97 are involved in T cell regulation and CD55 can still regulate complement when bound to CD97. In tumors, besides protection against complement, CD55 promotes neoangiogenesis, tumorigenesis, invasiveness and evasion of apoptosis.

References

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

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