

TECHNICAL DATA SHEET

CyFlow™ CD55 Alexa Fluor™ 488 Anti-Hu; Clone MEM-118

REF CR455422

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

Specifications

Antigen	CD55
Alternative Names	DAF
Clone	MEM-118
Clonality	monoclonal
Format	Alexa Fluor™ 488
Host / Isotype	Mouse / IgM
Species Reactivity	Human, Non-Human Primates
Negative Species Reactivity	—
Quantity	100 tests
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

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing 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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