

TECHNICAL DATA SHEET

CyFlow™ CD55 Biotin **Anti-Hu; Clone MEM-118**

REF AC329145

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

Specifications

Antigen	CD55
Alternative Names	DAF
Clone	MEM-118
Clonality	monoclonal
Format	Biotin
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

The reagent is designed for indirect immunofluorescence analysis by Flow Cytometry. Suggested working usage is 2 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

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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- VanLandingham JW, Cekic M, Cutler S, Hoffman SW, Stein DG: Neurosteroids reduce inflammation after TBI through CD55 induction. Neurosci Lett. 2007 Sep 25; 425(2):94-8. < PMID: 17826908 >

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

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