Monoclonal Antibody to CD55
Purified Antibody (0.1 mg)

Clone: MEM-118
Isotype: Mouse IgM
Specificity: The antibody MEM-118 recognizes an epitope in SCR4 domain of CD55 (Decay accelerating factor, DAF), 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.
HLDA V; WS Code AS S016

Regulatory Status: RUO
Immunogen: HPB-ALL human T cell line
Species Reactivity: Human, Non-Human Primates
Application: Flow Cytometry
Recommended dilution: 10 µg/ml
Immunoprecipitation
Immunohistochemistry (paraffin sections)
Recommended dilution: 10 µg/ml

Purity: > 95% (by SDS-PAGE)
Purification: Purified by precipitation and chromatography
Concentration: 1 mg/ml
Storage Buffer: Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration: See vial label
Lot Number: See vial label

Background: CD55 (decay-accelerating factor, DAF) 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 tumours, besides protection against complement, CD55 promotes neoangiogenesis, tumorigenesis, invasiveness and evasion of apoptosis.
References:


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