

## Product datasheet for **SM3030F**

### CD55 / DAF Mouse Monoclonal Antibody [Clone ID: MEM-118]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-118
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Analysis of Human blood cells using 20 µl reagent/100 µl of whole blood or 10 <sup>6</sup> cells in a suspension.
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	HPB-ALL human T cell line
Specificity:	The antibody 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.
Formulation:	Tris buffered saline (TBS) Label: FITC State: Liquid purified Ig fraction Preservative: 15 mM sodium azide Label: Conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD55 molecule (Cromer blood group)
Database Link:	<a href="#">Entrez Gene 1604 Human P08174</a>



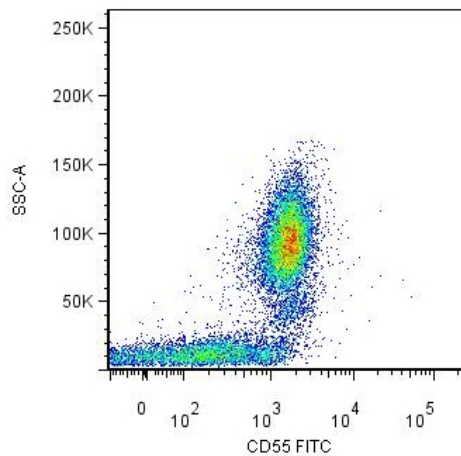
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**Background:**

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.

**Synonyms:**

CR; CROM; DAF; TC

**Product images:**


Surface staining of Human peripheral blood leukocytes by Mouse monoclonal anti-CD55 antibody MEM-118.