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Product datasheet for SM3030P

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

Product data:

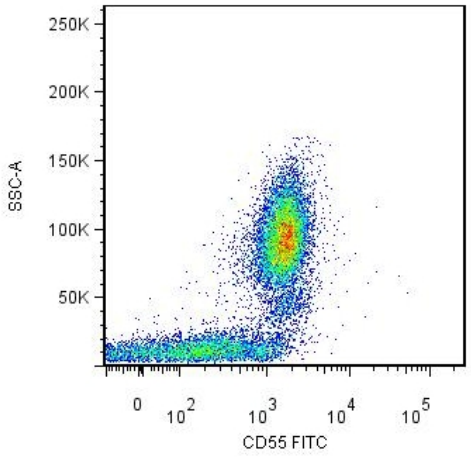
Product Type:	Primary Antibodies
Clone Name:	MEM-118
Applications:	FC, IHC, IP
Recommended Dilution:	**Flow Cytometry: 10 µg/ml.** **Immunoprecipitation.** **Immunohistochemistry on Paraffin Sections:** 10 µg/ml.
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	HPB-ALL 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) with 15 mM sodium azide, approx. pH 8.0 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Precipitation Methods and Size-Exclusion Chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. **DO NOT FREEZE!**
Stability:	Shelf life: one year from despatch.
Gene Name:	CD55 molecule (Cromer blood group)
Database Link:	Entrez Gene 1604 Human P08174

View online »

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 agains 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.