

## Monoclonal Antibody to CD55 / DAF - FITC

<b>Alternate names:</b>	Complement decay-accelerating factor
<b>Catalog No.:</b>	AM08162FC-N
<b>Quantity:</b>	100 Tests
<b>Background:</b>	CD55, also known as decay accelerating factor (DAF), is a 64-73 kDa GPI-anchored single chain glycoprotein that is expressed on all cells in contact with serum, including all hematopoietic cells and the vascular endothelium. A soluble form of CD55 is present in plasma and body fluids. CD55 is a member of the regulator of complement activity (RCA) family of proteins and is thought to play a role in the protection of cells from damage by autologous complement by preventing the amplification steps of the complement cascade. CD55 expression increases upon T cell activation and antibodies to CD55 are mitogenic in the presence of phorbol esters. (Ref.1-5)
<b>Uniprot ID:</b>	<a href="#">P08174</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	143-30
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> 10 µL/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes CD55. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Knapp, W., B. Dorken, W.R. Gills, E.P. Rieber, R.E. Schmidt, H. Stein, A.E.G.K. Von dem Borne, eds. 1989. Leukocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, Oxford. 2. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD55 Section, Academic Press, New York, p. 281. 3. Lublin, D.M., and J.P. Atkinson. 1989. Annu. Rev. Immunol. 7:35. 4. Holmes, C.H., K.L. Simpson, S.D. Wainwright, C.G. Tate, J.M. Houlihan, I.H. Sawyer, I.P.

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Rogers, F.A. Spring, D.J. Anstee, and M.J. Tanner. 1990. J. Immunol. 144:3099.  
5. Liszewski, M.K., T.C. Farries, D.M. Lublin, I.A. Rooney, and J.P. Atkinson. 1996. Adv. Immunol. 61:201.

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