

**FITC CONJUGATED MONOCLONAL ANTIBODY TO  
HUMAN CD55, DAF  
clone D17**



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<b>Catalog nr</b>	HM2105F (lot number and expiry date are indicated on the label)
<b>Description</b>	<p>CD55, also designated decay accelerating factor (DAF), is a 60-70 kDa glycosyl-phosphatidylinositol (GPI) anchored protein. CD55 is a member of the family of proteins that protect host tissue from damage by autologous complement. CD55 was first recognized as a species restricting factor operating at the level of C3 activation. It binds C3b and C4b to inhibit formation and half-life of the C3 convertases. CD55 expression increases upon T cell activation and in the presence of phorbol esters antibodies to CD55 (e.g. monoclonal antibody D17) are mitogenic.</p> <p>CD55 is broadly distributed among cells in contact with serum, including both haematopoietic and non-haematopoietic cells. Although CD55 does not have an essential role in controlling hemolysis of erythrocytes, it has an important role in regulation of the deposition of C3 on nucleated cells.</p>
<b>Aliases</b>	DAF (decay accelerating factor)
<b>Species</b>	Mouse IgG <sub>1</sub>
<b>Formulation</b>	1 ml (100 µg/ml) 0.2 µm filtered FITC conjugated antibody solution in PBS, containing 1% bovine serum albumin and 0.02% sodium azide
<b>Application</b>	The monoclonal antibody D17 can be used for Western blotting and flow cytometry
<b>Use</b>	For flow cytometry and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.
<b>Storage and stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
<b>Precautions</b>	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.
<b>Also available</b>	HM2103                      Monoclonal antibody against Human CD46, clone M177 HM2105                      Monoclonal antibody against Human CD55, clone D17 HM2107                      Monoclonal antibody against Human CD35, clone 31R