

Hycult biotechnology

CD55, Clone D17, Human mAb

Catalog No.	HM2105	Quantity:	100 µg
Description:	<p>CD55, also designated decay accelerating factor (DAF), is a 60-80 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>		
Concentration:	100 µg/ml		
Specificity:	Human CD55		
Host:	Mouse		
Isotype:	IgG ₁		
Clone:	D17		
Formulation:	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications	<p>The monoclonal antibody D17 can be used for Western blotting and flow cytometry. 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.</p>		
Storage & Stability:	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.		
Also available:	HM2103: Monoclonal antibody against Human CD46, clone M177 HM2104: Monoclonal antibody against Human CD46, clone M160 HM2106: Monoclonal antibody against Human CD35, clone 273R HM2107: Monoclonal antibody against Human CD35, clone 31R		

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