

Product datasheet for **AM26246PU-N**

CD55 Mouse Monoclonal Antibody [Clone ID: D17]

Product data:

Product Type:	Primary Antibodies
Clone Name:	D17
Applications:	WB
Recommended Dilution:	Flow cytometry. Western blot. The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody detects CD55
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD55 molecule (Cromer blood group)
Database Link:	Entrez Gene 1604 Human P08174



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Background:

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. 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.

Synonyms:

CR; CROM; DAF; TC