

## Product datasheet for **SM1141R**

### CD55 / DAF Mouse Monoclonal Antibody [Clone ID: 67]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	67
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	K562 cells
Specificity:	This antibody reacts to CD55, also known as DAF.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with distilled water.
Purification:	Affinity chromatography on Protein G.
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD55 molecule (Cromer blood group)
Database Link:	<a href="#">Entrez Gene 1604 Human P08174</a>



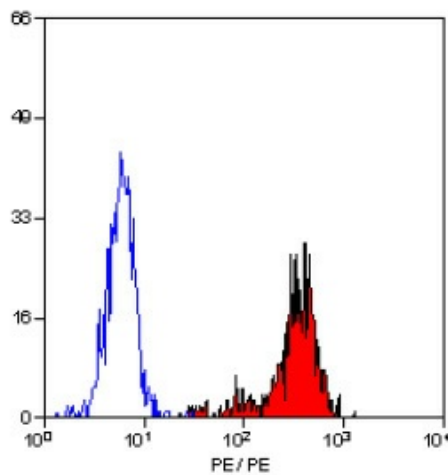
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**Background:**

CD55 is the complement regulatory protein, decay accelerating factor (DAF). It is a 70kD glycoprotein (in erythrocytes) anchored in the membrane by glycosylphosphatidylinositol tail. In other cells the apparent molecular weight is somewhat larger. It has a substantial content of O-glycans, and also on N-glycan. DAF binds to activated C4b or C3b complement fragments on the cell surface, preventing the assembly and accelerating the decay of both classical and alternative pathways. DAF carries the Cromer related blood group antigens. DAF has a wide distribution on cells in non-haemopoietic tissues, particularly epithelium and is specifically found at the foetal-maternal interface in placenta. Soluble forms of DAF are found, for example, in plasma, saliva and urine. The antigen on erythrocytes is pronase and chymotrypsin sensitive, but resistant to trypsin.

**Synonyms:**

CR; CROM; DAF; TC

**Product images:**

Staining of human peripheral blood monocytes with Mouse Anti Human CD55-RPE (SM1141R/RT).