

## Product datasheet for **AM08162PU-N**

### CD55 / DAF Mouse Monoclonal Antibody [Clone ID: 143-30]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	143-30
Applications:	FC, IHC
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. <b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD55.
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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, 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)

**Synonyms:**

CR; CROM; DAF; TC