

CD55 Antibody, mAb, Mouse

Cat. No.	Name	Size
V04601	CD55 Antibody (SD21), mAb, Mouse	*

Note: * Available in multiple package sizes: 100 µg, 1 mg (or more). GenScript can customize each product per customer's request including product size, buffer components, etc. GenScript can also provide conjugated antibody per customer's request with Biotin, FITC, PE and APC.

Specificity	Human CD55
Alternative Name	Complement decay accelerating factor, DAF, Daf1 and GPI-DAF
Isotype	IgG2a
Clone	SD21
Application	Flow cytometry
Recommended Usage	It is recommended that the reagent be titrated for optimal performance for each application. Each lot of the antibodies undergoes quality control test by flow cytometric analysis.
Preparation	Protein A/G affinity column
Concentration	Lot-specific. Please check your CoA to find the concentration.
Formulation	1) PBS, pH 7.4, containing 0.03% Proclin 300 2) 50 mM Na-citrate, 150 mM NaCl, pH7.0, containing 0.03% Proclin 300 * *: For new batch since 09/01/2018, please refer to COA.
Storage	The antibody should be stored for up to three months at 2-8°C or for up to three years at -20°C or below. Avoid repeated freezing and thawing cycles.
Background	CD55 also known as decay-accelerating factor (DAF), is a single chain transmembrane glycoprotein. It is expressed on the surface of hematopoietic cells including erythrocytes and many non-hematopoietic

cells. The CD55 molecule participates in protecting tissue from the cytotoxic complement injury and anti-inflammatory function.

**Fluorescent
Dyes**

	Excitation Source	Excitation Max	Emission Max
FITC	Blue 488 nm	494 nm	520 nm
PE	Blue 488 nm, Green 532 nm, Yellow/Green 561 nm	496 nm	578 nm
APC	Red 633 nm	650 nm	660 nm

**Data
Demonstration**

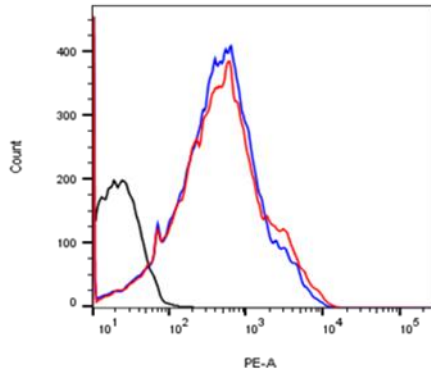


Figure 1. Human whole blood after red blood cell lysis were stained with CD55 Antibody (SD21), mAb, Mouse (GenScript, V04601; red curve) or with a negative control (black curve), or with a positive antibody (blue curve) followed by R-PE conjugated anti-mouse IgG in flow cytometric analysis.

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