

CD38 Antibody, mAb, Mouse

Cat. No.	Name	Size
V04201	CD38 Antibody (SD32), 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 CD38
Alternative Name	T10 and ADP-ribosyl cyclase
Isotype	IgG1
Clone	SD32
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	CD38 is a single-chain type II transmembrane glycoprotein. It is an ADP-ribosyl cyclase, expressed on the surface of many immune cells, including early hematopoietic precursors and leukocytes. The CD38 molecule is a

marker of cell activation, functioning to production of pro-inflammatory cytokines and cell proliferation.

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

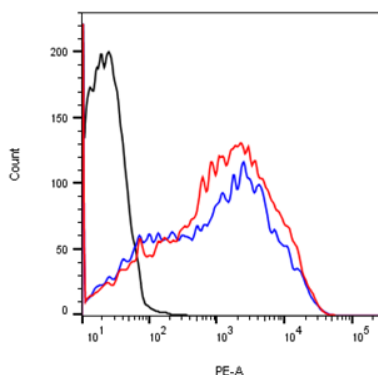


Figure 1. Human whole blood after red blood cell lysis were stained with CD38 Antibody (SD32), mAb, Mouse (GenScript, V04201; red curve) or with a negative control (black curve), or with a positive antibody (blue curve) followed by R-PE conjugated anti-mouse IgG in flow cytometric analysis.

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