

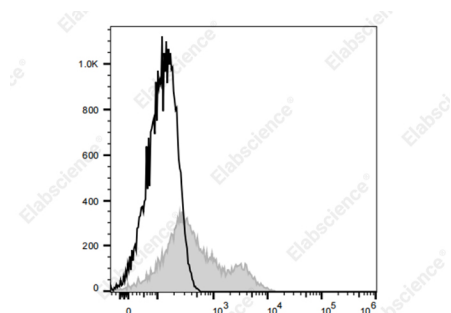


Product name:	BrightViolet 450 Anti-Human CD38 Antibody[HIT2]
Cat number:	MAB1058Q
Conjugate:	BrightViolet 450
Conjugation Information:	BrightViolet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).
Size:	100 tests
Clone:	HIT2
Host:	Mouse
Isotype:	Mouse IgG1, κ
Reactivity:	Human
Applications:	FCM: Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (millie cells in 100 μ L staining volume or per 151 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Molecular Weight:	45 kD
Form:	Liquid
Buffer:	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
Storage:	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Synonyms:	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1;CD38;2'-phospho-ADP-ribosyl cyclase;2'-phospho-cyclic-ADP-ribose transferase;ADP-ribosyl cyclase 1;ADPRC 1;Cyclic ADP-ribose hydrolase 1;cADPr hydrolase 1;T10;CD38
Source:	Mouse
Background:	CD38 is a 45 kD type II transmembrane glycoprotein also known as T10. It is an ADP-ribosyl hydrolase expressed at variable levels on hematopoietic cells and in some non-hematopoietic tissues (such as brain, muscles, and kidney). In humans, it is expressed at high levels on plasma cells and activated T and B cells. By functioning as both a cyclase and a hydrolase, CD38 mediates lymphocyte activation, adhesion, and the metabolism of cADPR and NAADP. CD31 is the ligand of CD38.

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Staining of normal human peripheral blood cells with BrightViolet 450 Anti-Human CD38 Antibody[HIT2] (filled gray histogram) or BrightViolet 450 Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

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