

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 450 Anti-Human CD38 Antibody[HIT2]

Catalog Number: E-AB-F1058Q

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. HIT2

Isotype Control Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09792Q1

Conjugation Elab Fluor® Violet 450

Conjugation Information Elab Fluor® Violet 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).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

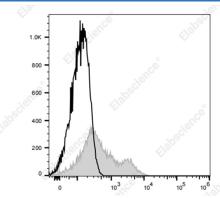
Applications Recommended usage

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 µL of antibody per test (millie cells in 100 μL staining volume or per 151 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



Staining of normal human peripheral blood cells with Elab

Fluor® Violet 450 Anti-Human CD38 Antibody[HIT2] (filled gray histogram) or Elab Fluor® Violet 450 Mouse IαGl. κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bags

Antigen Information

Alternate Names 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

For Research Use Only

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Rev. V1.2

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 Uniprot ID
 P28907

 Gene ID
 952

BackgroundCD38 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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