

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Red 780 Anti-Human CD38 Antibody[HIT2]

Catalog Number: E-AB-F1058S

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[®] Red 780 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792S]

Conjugation Elab Fluor®Red 780

Conjugation Information Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and

detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).

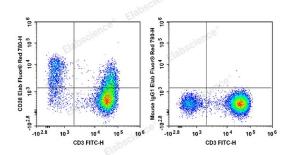
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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

Data



Human peripheral blood lymphocytes are stained with FITC

Anti-Human CD3 Antibody and Elab Fluor® Red 780 Anti-Human CD38 Antibody (Left). Lymphocytes are stained with

FITC Anti-Human CD3 Antibody and Elab Fluor® Red 780 Mouse IgG1, κ Isotype Control (Right).

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 bag

Antigen Information

Alternate Names 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl

cyclase 1;ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1;ADPRC 1;CD38;Cyclic

ADP-ribose hydrolase 1;T10;cADPr hydrolase 1

For Research Use Only

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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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