

A Reliable Research Partner in Life Science and Medicine

PerCP Anti-Human CD38 Antibody[HIT2]

Catalog Number: E-AB-F1058F

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. HIT2

PerCP Mouse IgG1, k Isotype Control[MOPC-21] [Product E-AB-F09792F] Isotype Control

PerCP Conjugation

Conjugation Information PerCP is designed to be excited by the blue laser (488 nm) and detected using an optical

filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

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

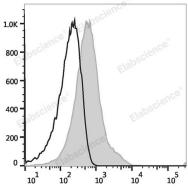
Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM**

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 PerCP Anti-Human CD38 Antibody (filled gray histogram) or PerCP Mouse IgG1, κ Isotype Control (empty black histogram).

Preparation & Storage

Keep as concentrated solution. Storage

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

Uniprot ID P28907 Gene ID 952

For Research Use Only

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Background

Elabscience®

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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