

PerCP Anti-Human CD38 Antibody[HIT2]

Catalog Number: E-AB-F1058F

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

Description

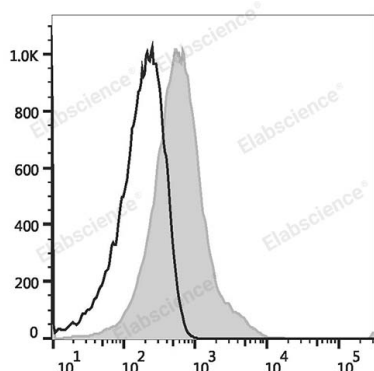
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	HIT2
Isotype Control	PerCP Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792F]
Conjugation	PerCP
Conjugation Information	PerCP is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

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.
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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

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-ribose cyclase;2'-phospho-cyclic-ADP-ribose transferase;ADP-ribose cyclase 1;ADP-ribose 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

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.