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Biotin Anti-Human CD38 Antibody[HIT2]

Catalog Number: E-AB-F1058B

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 Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B]

Conjugation Biotin

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. For flow

cytometric staining, the suggested use of this reagent is \leq 1.0 μ g per 10⁶ cells in 100 μ L volume or 100 μ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. 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

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.