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PE/Cyanine5 Anti-Human CD38 Antibody[HIT2]

Catalog No. E-AB-F1058G Reactivity Human Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM**

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

Antigen Information

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1,CD38,2'-phospho-ADP-ribosyl **Alternate Names**

cyclase, 2'-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase 1, ADPRC 1, Cyclic ADP-

ribose hydrolase 1,cADPr hydrolase 1,T10,CD38

P28907 **Uniprot ID**

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.

Product Details

Form Liquid

20Tests/100Tests/100Tests×2 Size

Clone No. HIT2 Host Mouse Mouse IgG1, κ **Isotype** Reactivity Human

Application FCM

Isotype Control [Product E-AB-F09792G]

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. **Storage Buffer**

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

Toll-free: 1-888-852-8623 Email: techsupport@elabscience.com Web: www.elabscience.com

Tel: 1-832-243-6086 Fax: 1-832-243-6017

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Fluorophore

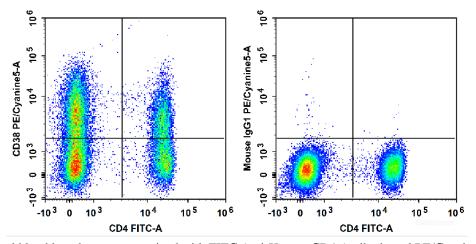
Conjugation: PE/Cyanine5

PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Product data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD4 Antibody and PE/Cyanine5 Anti-Human CD38 Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD4 Antibody and PE/Cyanine5 Mouse IgG1, κ Isotype Control (Right).

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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