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## PE/Cyanine7 Anti-Human CD38 Antibody[HIT2]

Catalog No.E-AB-F1058HReactivityHumanStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

## **Antigen Information**

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

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

ribose hydrolase 1,cADPr hydrolase 1,T10,CD38

Uniprot ID P28907

**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

Size 20Tests/100Tests/100Tests×2

Clone No.HIT2HostMouseIsotypeMouse IgG1, κReactivityHuman

**Application** FCM

**Isotype Control** PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]

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

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

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 Web: <a href="https://www.elabscience.com">www.elabscience.com</a>
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# **Fluorophore**

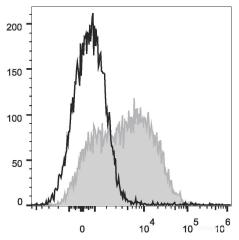
Conjugation: PE/Cyanine7

PE/Cyanine7 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 775 nm (e.g., a 780/60 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ 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 PE/Cyanine7 Anti-Human CD38 Antibody (filled gray histogram) or Mouse IgG1 Isotype Control PE/Cyanine7 (empty black histogram).

### **Related Information**

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

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