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# Elab Fluor® 488 Anti-Human CD81 Antibody[1.3.3.22]

Catalog No.E-AB-F1073LReactivityHumanStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

## **Antigen Information**

Alternate Names CD81 antigen, CD81,26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody

1.Tetraspanin-28,Tspan-28,APA1, TSPAN28

Uniprot ID P60033

**Background** CD81 is a 26 kD non-glycosylated member of the tetraspanin superfamily (TM4SF), also known

as TAPA-1 (target of an antiproliferative antibody). CD81 is expressed on T and B cells, NK cells, monocytes, dendritic cells, thymocytes, endothelial cells, and fibroblasts. It also has low levels of expression on granulocytes. CD81 induces B cell adhesion via VLA-4 integrin and has been shown to play a role in early T cell development. CD81 associates with several other cell-surface proteins in a multimolecular complex, including CD19, CD21, CD20, CD37, CD53, and

CD82 in B cells, and CD4, CD8 and CD82 in T cells.

#### **Product Details**

Form Liquid

Size 20Tests/100Tests/100Tests×2

 Clone No.
 1.3.3.22

 Host
 Mouse

 Isotype
 Mouse IgG1, κ

**Reactivity** Human **Application** FCM

Isotype ControlElab Fluor® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]Storage BufferPhosphate 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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 Fax: 1-832-243-6017

 Web: <a href="https://www.elabscience.com">www.elabscience.com</a>
 Email: <a href="mailto:techsupport@elabscience.com">techsupport@elabscience.com</a>

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## **Fluorophore**

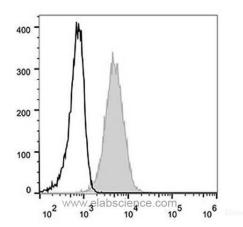
Conjugation: Elab Fluor® 488

Elab Fluor  $^{\$}$  488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 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 Elab Fluor<sup>®</sup> 488 Anti-Human CD81 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

### **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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