

## PE/Elab Fluor® 594 Anti-Human CD81 Antibody[1.3.3.22]

**Catalog Number:** E-AB-F1073P

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

### Description

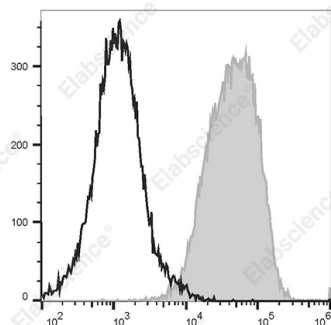
|                                |   |
|--------------------------------|---|
| <b>Reactivity</b>              | Human   |
| <b>Host</b>                    | Mouse   |
| <b>Isotype</b>                 | Mouse IgG1, κ   |
| <b>Clone No.</b>               | 1.3.3.22  |
| <b>Isotype Control</b>         | PE/Elab Fluor® 594 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792P]  |
| <b>Conjugation</b>             | PE/Elab Fluor® 594  |
| <b>Conjugation Information</b> | PE/Elab Fluor® 594 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 620 nm (e.g., a 610/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.   |

### Applications

#### Recommended usage

|            |   |
|------------|---|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>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).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|---|

### Data



Human peripheral blood lymphocytes are stained with

PE/Elab Fluor® 594 Anti-Human CD81 Antibody[1.3.3.22]

(filled gray histogram) or PE/Elab Fluor® 594 Mouse IgG1, κ Isotype Control (empty black histogram).

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | TSPAN28;26 kDa cell surface protein TAPA-1;APA1;CD81;CD81 antigen;Target of the antiproliferative antibody 1.Tetraspanin-28;Tspan-28 |
|------------------------|--|

### For Research Use Only

Toll-free: 1-888-852-8623  
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Rev. V1.7

**Uniprot ID**

P60033

**Gene ID**

975

**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.

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