

## PE/Cyanine7 Anti-Human CD10 Antibody[HI10a]

|                    |                                            |                     |       |
|--------------------|--------------------------------------------|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1141H                                | <b>Reactivity</b>   | Human |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM   |

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

### Antigen Information

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | Neprilysin, Atriopeptidase, CALLA, Enkephalinase, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10                                                                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot ID</b>      | P08473                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Background</b>      | CD10 is a 100 kD neutral endopeptidase and a member of the metalloprotease family. It is a type II transmembrane protein also known as common acute lymphoblastic leukemia antigen (CALLA), enkephalinase, and neprilysin. CD10 is expressed on B cell precursors, T cell precursors, and neutrophils. CD10 is involved in B cell development and has been shown to bind opioid enkephalins, bradykinin, angiotensins I and II, and other biologically active peptides. |

### Product Details

|                                |                                                                                                                                                                             |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>                    | Liquid                                                                                                                                                                      |
| <b>Size</b>                    | 20Tests/100Tests/100Tests×2                                                                                                                                                 |
| <b>Clone No.</b>               | HI10a                                                                                                                                                                       |
| <b>Host</b>                    | Mouse                                                                                                                                                                       |
| <b>Isotype</b>                 | Mouse IgG1, κ                                                                                                                                                               |
| <b>Reactivity</b>              | Human                                                                                                                                                                       |
| <b>Application</b>             | FCM                                                                                                                                                                         |
| <b>Isotype Control</b>         | <a href="#">PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]</a>                                                                                   |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.                                                                                 |
| <b>Shipping</b>                | Biological ice pack at 4 °C                                                                                                                                                 |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.<br>This product is guaranteed up to one year from purchase. |

### For Research Use Only

## Fluorophore

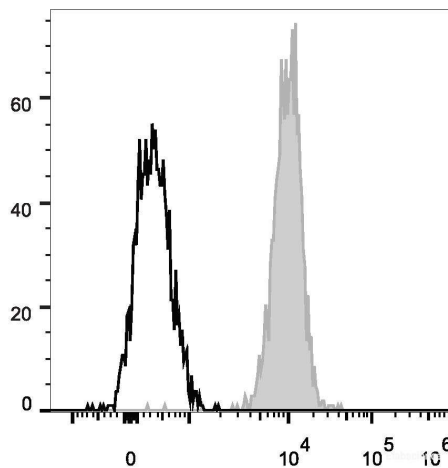
**Conjugation:** PE/Cyanine7

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 granulocytes are stained with PE/Cyanine7 Anti-Human CD10 Antibody (filled gray histogram). Unstained granulocytes (empty black histogram) are used as control.

## 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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