

## Anti-Human CD10 Monoclonal Antibody (PerCP Conjugated)

<b>Catalog No.</b>	E-AB-1661	<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>	Atriopeptidase,CALLA,CD10,CD10 antigen,Common acute lymphocytic leukemia antigen,DKFZp686O16152,EC 3.4.24.11,Enkephalinase,EPN,Membrane metallo endopeptidase (neutral endopeptidase,enkephalinase),Membrane metallo endopeptidase (neutral endopeptidase,enk
<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>Size</b>	100tests/25tests
<b>Clone No.</b>	HI10a
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Reactivity</b>	Human
<b>Application</b>	FCM
<b>Storage Buffer</b>	PBS with 0.09% NaN3, 0.2% BSA, PH7.2
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	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.

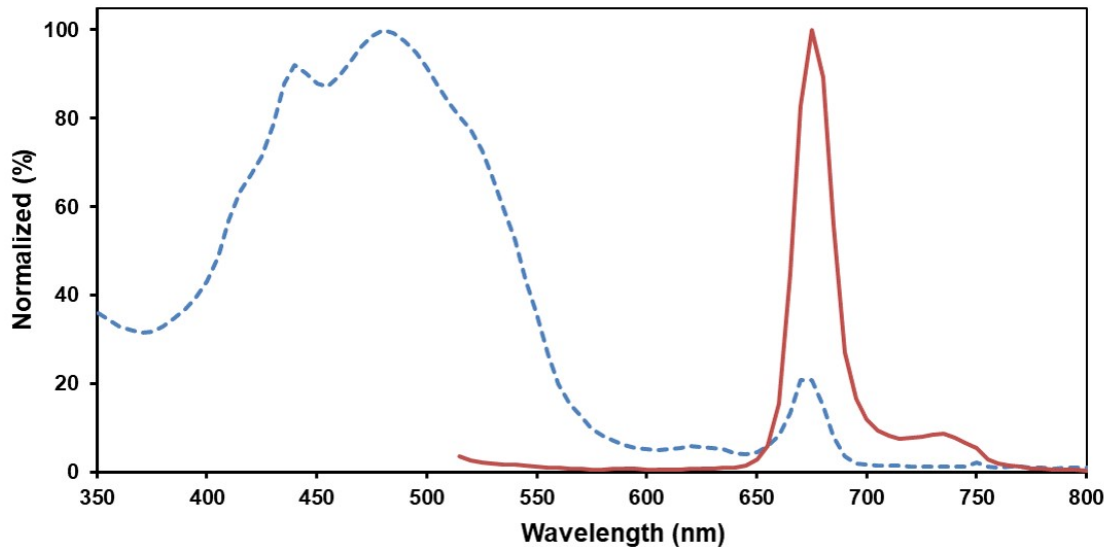
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## Fluorophore

Conjugation: PerCP

Excitation Laser:

### PerCP Excitation and Emission Spectra



**Ex:440;480;675 nm; Em:675 nm**

The peridinin-chlorophyll-protein complex (PCP or PerCP) is a soluble molecular complex consisting of the peridinin-chlorophyll a-protein bound to peridinin, chlorophyll, and lipids. The peridinin molecules absorb light in the blue-green wavelengths (470 to 550 nm) and transfer energy to the chlorophyll molecules with extremely high efficiency. PCP complexes are found in many photosynthetic dinoflagellates, in which they may be the primary light-harvesting complexes.

## Recommended usage

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used from 20  $\mu$ L to 5  $\mu$ L per 100  $\mu$ L of peripheral blood or  $10^6$  cells in 100  $\mu$ L. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Intracellular Antigens for Flow Cytometry <https://www.elabscience.com/List-detail-5570.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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