

PE/Cyanine5 Anti-Human/Monkey CD10 Antibody[HI10a]

Catalog Number: E-AB-F1141G

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

Description

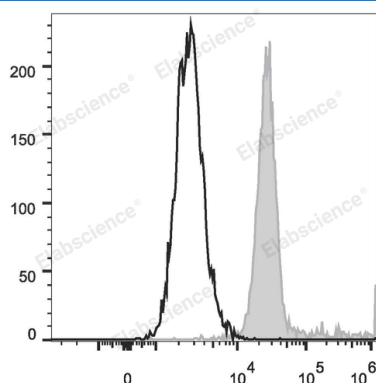
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| Reactivity | Human;Rhesus |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | HI10a |
| Isotype Control | PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G] |
| Conjugation | PE/Cyanine 5 |
| Conjugation Information | PE/Cyanine5 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 670 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

Applications

Recommended usage

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



Human peripheral blood granulocytes are stained with PE/Cyanine5 Anti-Human/Monkey CD10 Antibody (filled gray histogram) or Mouse IgG1 Isotype Control PE/Cyanine5 (empty black histogram).

Preparation & Storage

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| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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|------------------------|---|
| Alternate Names | Atriopeptidase;CALLA;CD10;Enkephalinase;NEP;Nepriylsin;Neutral endopeptidase;SFE;Skin fibroblast elastase |
| Uniprot ID | P08473 |

For Research Use Only

Gene ID

4311

Background

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.