

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® 647 Anti-Human CD10 Antibody[HI10a]

Catalog Number: E-AB-F1141M

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

#### **Description**

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

HI10a Clone No.

Isotype Control Elab Fluor<sup>®</sup> 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]

Conjugation Elab Fluor®647

**Conjugation Information** Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

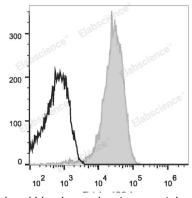
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **Applications** Recommended usage

**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.

#### Data



Human peripheral blood granulocytes are stained with Elab

Fluor® 647 Anti-Human CD10 Antibody (filled gray histogram). Unstained granulocytes (empty black histogram) are used as control.

#### **Preparation & Storage**

Keep as concentrated solution. **Storage** 

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

**Shipping** Ice bag

#### **Antigen Information**

**Alternate Names** Atriopeptidase:CALLA:CD10:Enkephalinase:NEP:Neprilysin:Neutral endopeptidase:

SFE;Skin fibroblast elastase

**Uniprot ID** P08473 Gene ID 4311

#### For Research Use Only

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# Elabscience®

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### **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.

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