

PE/Cyanine7 Anti-Human CD195/CCR5 Antibody[HEK/1/85a]

Catalog Number: E-AB-F1392H

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

Description

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|-------------------------|--|
| Reactivity | Human |
| Host | Mouse |
| Isotype | Rat IgG2a, κ |
| Clone No. | HEK/1/85a |
| Isotype Control | PE/Cyanine7 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832H] |
| Conjugation | PE/Cyanine 7 |
| Conjugation Information | 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). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

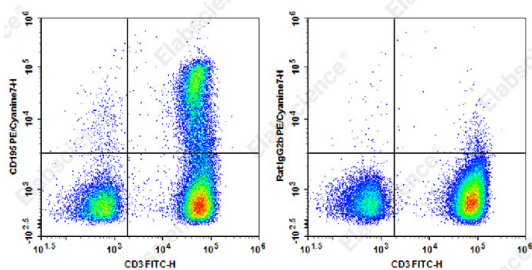
Applications

FCM

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 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



Staining of normal human peripheral blood cells with FITC Anti-Human CD3 Antibody and PE/Cyanine7 Anti-Human CD195 Antibody[HEK/1/85a/7a] (left) or PE/Cyanine7 Rat IgG2b, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

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| Storage | Keep as concentrated solution. 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

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|-----------------|---|
| Alternate Names | CCR5;C-C chemokine receptor type 5;HIV-1 fusion co-receptor |
| Uniprot ID | P51681 |

For Research Use Only

Gene ID

1234

Background

CD195, also known as CCR5, is a 45 kD G protein-coupled seven transmembrane C C-chemokine receptor. It binds to MIP-1 α , MIP-1 β , and RANTES and is expressed on a subset of T cells and monocytes. CD195 mediates an intracellular signal thought to induce cell differentiation and proliferation. CCR5 has also been shown to act as a co-receptor for R5 HIV-1 cell entry; modification of CCR5 by sulfation contributes to the efficiency of HIV-1 entry. Recent studies have shown CCR5 to play a role in a variety of other human diseases, ranging from infectious and inflammatory diseases to cancer.