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# PerCP/Cyanine5.5 Anti-Human CD195/CCR5 Antibody[HEK/1/85a]

Catalog Number: E-AB-F1392J

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

#### Description

Reactivity Human Rat Host

Isotype Rat IgG2a, ĸ HEK/1/85a Clone No.

PerCP/Cyanine5.5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832J] **Isotype Control** 

PerCP/Cyanine 5.5 Conjugation

**Conjugation Information** PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

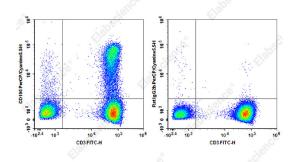
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### **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



Staining of normal human peripheral blood cells with FITC Anti-Human CD3 Antibody and PerCP/Cyanine5.5 Anti-Human CD195 Antibody[HEK/1/85a/7a] (left) or PerCP/Cyanine5.5 Rat IgG2b, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

#### **Preparation & Storage**

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**

**Alternate Names** CCR5;C-C chemokine receptor type 5;HIV-1 fusion co-receptor

**Uniprot ID** P51681 Gene ID 1234

## For Research Use Only

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#### **Elabscience Bionovation Inc.**

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#### **Background**

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CD195, also known as CCR5, is a 45 kD G protein-coupled seven transmembrane C C-chemokine receptor. It binds to MIP-1α, MIP-1β, 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 coreceptor 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.

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