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# APC Anti-Human CD195/CCR5 Antibody[HEK/1/85a]

Catalog Number: E-AB-F1392E

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

#### Description

Reactivity Human Host Rat

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

Isotype Control APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832E]

**Conjugation** APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

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

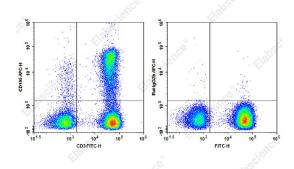
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

# 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 APC Anti-Human CD195 Antibody[HEK/1/85a/7a] (left) or APC 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** lce 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**

Elabscience®

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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