

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1392C

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.

FITC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832C] Isotype Control

Conjugation

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

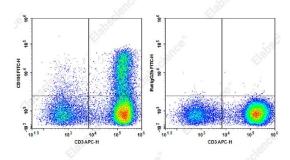
Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM**

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 APC Anti-Human CD3 Antibody and FITC Anti-Human CD195 Antibody[HEK/1/85a/7a] (left) or FITC 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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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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