

PE anti-human CD195 (CCR5)

Catalog # / Size: 313707 / 25 tests
313708 / 100 tests

Clone: HEK/1/85a

Isotype: Rat IgG2a, κ

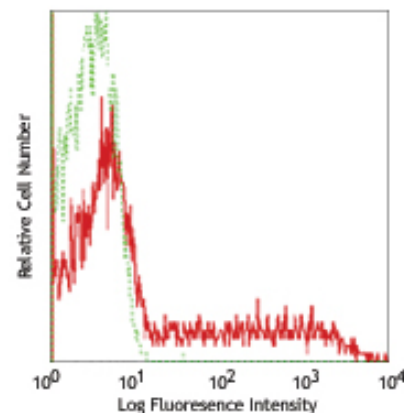
Immunogen: CHO cells transfected with human CCR5

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes were stained with CD195 (clone HEK/1/85a) PE (red histogram), or rat IgG2a, κ PE (green histogram).

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: immunofluorescence microscopy¹

Application References: 1. Mueller A, *et al.* 2002. *Blood* 99:785.
2. Sarra M, 2011. *J. Immunol.* 186:5435. *PubMed.*

Description: CD195, also known as CCR5, is a 45 kD G protein-coupled seven transmembrane CC-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.

Antigen References: 1. Samson M, *et al.* 1996. *Biochemistry* 35:3362.
2. Raport CJ, *et al.* 1996. *J. Biol. Chem.* 271:17161.
3. Combadiere C, *et al.* 1996. *J. Leukoc. Biol.* 60:147.
4. Deng H, *et al.* 1996. *Nature* 381:661.
5. Lai J, *et al.* 2003. *CVI.* 10:1123.
6. Mañes S, *et al.* 2003. *J. Exp. Med.* 198:1381.
7. Vaday GG, *et al.* 2006. *Prostate* 66:124.

Related Products:

Product
Cell Staining Buffer
RBC Lysis Buffer (10X)
PE Rat IgG2a, κ Isotype Ctrl
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

RTK2758

Application

FC, ICC, ICFC
FC, ICFC
FC, ICFC
FC, ICC, ICFC



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