Product Data Sheet

PerCP/Cy5.5 anti-human CD195 (CCR5)

Catalog # / Size:	2395560 / 100 tests 2395555 / 25 tests
Clone:	J418F1
Isotype:	Rat IgG2b, κ
Immunogen:	Human CCR5 transfectants
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific

Human peripheral blood lymphocytes were stained with CD195 (clone J418F1) PerCP/Cy5.5 (filled histogram) or rat IgG2b, κ PerCP/Cy5.5 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Application 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.*

Description:	CD195, also known as CCR5, is a 45 kD G protein-coupled seven transmembrane CC-chemokine receptor. It binds to MIP-1α, MIP-1β, and RANTES and is expressed on a subset of T cells and monocytes. CCR5 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. 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.*