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30-2818-PE-Cy7: Anti-Hu CD199 PE-Cy™7

Clonality :	Monoclonal
Clone Name :	C9Mab-1
Application :	FACS
Reactivity :	Human
Conjugate :	PE/CY7
Gene :	CCR9
Gene ID :	10803
Uniprot ID :	P51686
Alternative Name :	C-C motif chemokine receptor 9 GPR-9-6, GPR28,GPR28
Isotype :	Mouse IgG1 kappa
Immunogen Information :	CD199 transfected CHO cells

Description

CD199 (CCR9) is a G-protein-coupled 7 TM chemokine receptor for TECK (SCYA25) chemokine. It is expressed strongly in thymus, at lower level in bone marrow and spleen, as well as on a subset of memory T cells specialized for mucosal homing. CD199 appears to confer homing properties to the small intestine on memory T cells. On the other hand it functions as a coreceptor for HIV-1.
Specificity :The mouse monoclonal antibody C9Mab-1 recognizes an extracellular epitope of CD199, a 7-transmembrane chemokine receptor.

Product Info

Amount :	100 tests (T100)
Purification :	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

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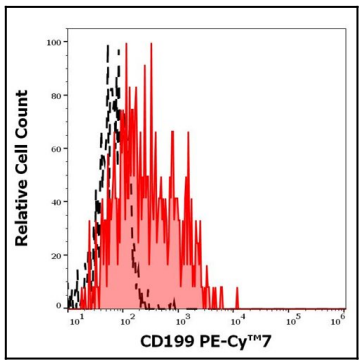


Figure 1: Separation of MOLT-4 cells stained using anti-human CD199 (C9Mab-1) PE-Cy™7 antibody (concentration in sample 5 µg/ml, red-filled) from MOLT-4 cells stained using mouse IgG1 isotype control (MOPC-21) PE-Cy™7 antibody (concentration in sample 5 µg/ml, same as CD199 PE-Cy™7 concentration, black-dashed) in flow cytometry analysis (surface staining).

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