

30-2818-PE: Anti-Hu CD199 PE

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| Clonality : | Monoclonal |
| Clone Name : | C9Mab-1 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | PE |
| 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

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| Amount : | 100 tests (T100) |
| Purification : | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

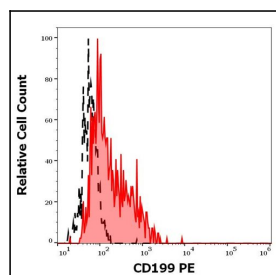


Figure 1: Separation of MOLT-4 cells stained using anti-human CD199 (C9Mab-1) PE antibody (concentration in sample 5 µg/ml, red-filled) from MOLT-4 cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in sample 5 µg/ml, same as CD199 PE concentration, black-dashed) in flow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