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## 30-2818-B: Anti-Hu CD199 Biotin

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| **Clonality :** | Monoclonal |
| **Clone Name :** | C9Mab-1 |
| **Application :** | FACS |
| **Reactivity :** | Human |
| **Conjugate :** | Biotin |
| **Gene :** | CCR9 |
| **Gene ID :** | 10803 |
| **Uniprot ID :** | P51686 |
| **Alternative Name :** | C-C motif chemokine receptor 9 GPR-9-6, 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 :** | 0.1 mg |
| **Purification :** | Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography. |
| **Content :** | Concentration: 1 mg/ml<br>Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| **Storage condition :** | Store at 2-8°C. Do not freeze. |

## Application Note

Flow cytometry: Recommended dilution: 0.5-4 µg/ml.

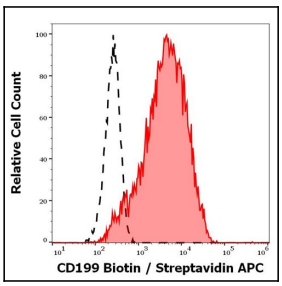


Figure 1: Separation of MOLT-4 cells stained using anti-human CD199 (C9Mab-1) Biotin antibody (concentration in sample 0.56 µg/ml, Streptavidin APC, red-filled) from MOLT-4 cells unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface staining).