

30-2939APC: Anti-Human CD194 Monoclonal Antibody APC Conjugated (Clone: rHIQB002)

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| Clonality : | Monoclonal |
| Clone Name : | rHIQB002 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | APC |
| Gene : | CCR4 |
| Gene ID : | 1233 |
| Uniprot ID : | P51679 |
| Alternative Name : | CCR4, CC-CKR-4, CKR4, CMKBR4, ChemR13, HGCN |
| Isotype : | Mouse IgG1 |

Description

Specificity: The recombinant mouse monoclonal antibody rHIQB002 recognizes an extracellular epitope of human chemokine receptor CD194 (CCR4).

Background: CD194 is a G-protein-coupled seven membrane-spanning transmembrane protein serving as a high affinity receptor for C-C type chemokines TARC (CCL17) and MDC (CCL22), and as a coreceptor for HIV. It is expressed by all CLA⁺ T cells regardless of their Th1 or Th2 phenotype, on activated Th2, Treg, and activated NK cells, basophils and macrophages. Blocking CD194 function can be used for treatment of inflammation.

Product Info

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| Amount : | 100 tests |
| Purification : | Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| Content : | Formulation: 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.

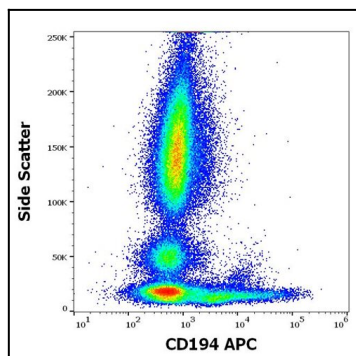


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD194 (rHIQB002) APC antibody (concentration in sample 0.19 µg/ml).

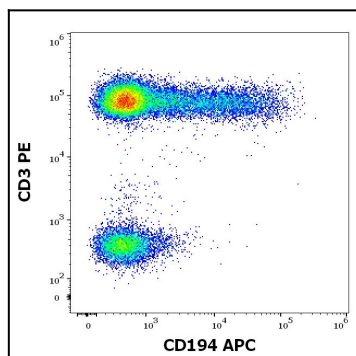


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD3 (UCHT1) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) and anti-human CD194 (rHIQB002) APC antibody (concentration in sample 0.19 µg/ml).

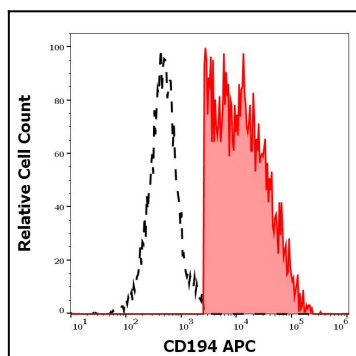


Figure 3: Separation of human CD3 positive CD194 positive T cells (red-filled) from CD3 negative CD194 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD194 (rHIQB002) APC antibody (concentration in sample 0.19 µg/ml).