

30-2712: Anti-Hu TCR Vgamma9 PE

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| Clonality : | Monoclonal |
| Clone Name : | B3 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | PE |
| Alternative Name : | TCRVG9 |
| Immunogen Information : | human T cells |

Description

TCR Vgamma9 is a variant of TCR gamma chain, that is present on a subset of human gamma/delta T cells. TCR Vgamma9/Vdelta2 T cells are able to recognize and kill various tumor cells, as this receptor heterodimer binds to certain phosphoantigens, expressed by tumors.

Specificity : The mouse monoclonal antibody B3 recognizes an extracellular epitope of human TCR Vgamma9, a variant of TCR gamma chain, which is expressed on a gamma/delta T cell subpopulation with cytolytic activity against various tumor cells.

Product Info

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| Amount : | 100 Tests |
| Purification : | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| Content : | Concentration: 1 mg/ml Storage Buffer: 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 μ l reagent / 100 μ l of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

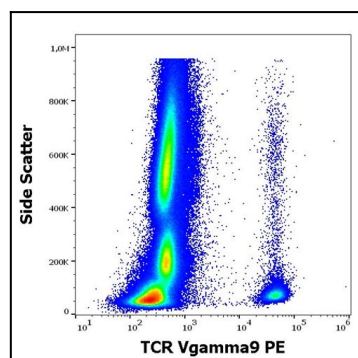


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human TCR Vgamma9 (B3) PE antibody

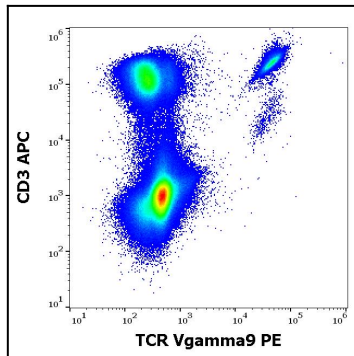


Figure 2: Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human TCR Vgamma9 (B3) PE antibody and anti-human CD3 (UCHT1) APC antibody