

## 30-2051: FITC Conjugated Anti-TCR alpha/beta Monoclonal Antibody (Clone:IP26)

|                           |            |
|---------------------------|------------|
| <b>Clonality :</b>        | Monoclonal |
| <b>Clone Name :</b>       | IP26       |
| <b>Application :</b>      | FACS       |
| <b>Reactivity :</b>       | Human      |
| <b>Conjugate :</b>        | FITC       |
| <b>Gene :</b>             | PTCRA      |
| <b>Gene ID :</b>          | 171558     |
| <b>Uniprot ID :</b>       | Q6ISU1     |
| <b>Alternative Name :</b> | PTCRA      |
| <b>Isotype :</b>          | Mouse IgG1 |

### Description

The antigen-specific T cell receptor (TCR) is composed of either alpha and beta subunit, or gamma and delta subunit. Majority of T cells present in the blood, lymph and secondary lymphoid organs express TCR alpha/beta heterodimers, whereas the T cells expressing TCR gamma/delta heterodimers are localized mainly in epithelial tissues and at the sites of infection. The subunits of TCR heterodimers are covalently bonded and in the endoplasmic reticulum they associate with CD3 subunits to form functional TCR-CD3 complex. Lack of expression of any of the chains is sufficient to stop cell surface expression.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 tests   |
| <b>Storage condition :</b> | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

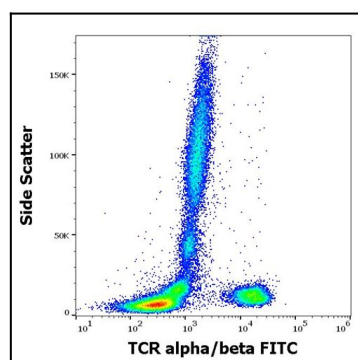


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human TCR alpha/beta (IP26) FITC antibody

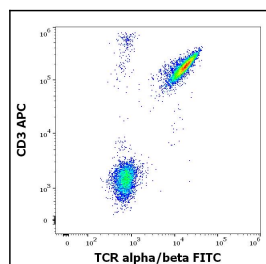


Figure 2: Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human TCR alpha/beta (IP26) FITC antibody and anti-human CD3

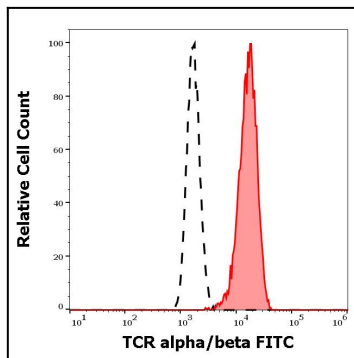


Figure 3: Separation of human TCR alpha/beta positive CD3 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human TCR alpha/beta (IP26) FITC antibody