

## 30-1425: 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>Gene :</b>	Pre T-Cell Receptor alpha beta
<b>Gene ID :</b>	171558
<b>Uniprot ID :</b>	Q6ISU1
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Pre T-Cell Receptor alpha beta
<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>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Flow Cytometry Recommended dilution:** 2-4 µg/ml

**Positive control:** human peripheral blood T cells

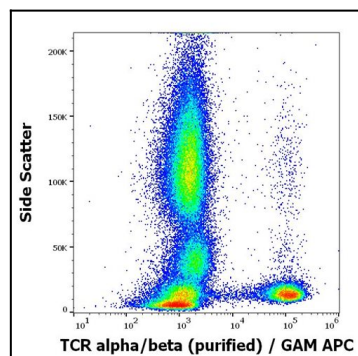


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human TCR alpha/beta (IP26) purified antibody

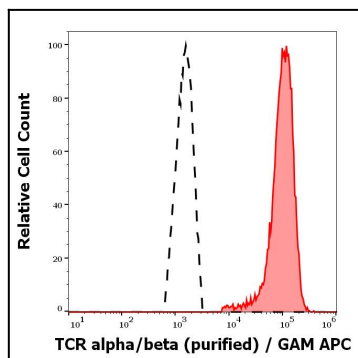


Figure 2: Separation of human TCR alpha/beta positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human TCR alpha/beta (IP26) purified antibody