

30-1425: Anti-TCR alpha/beta Monoclonal Antibody (Clone:IP26)

Clonality :	Monoclonal
Clone Name :	IP26
Application :	FACS
Reactivity :	Human
Gene :	Pre T-Cell Receptor alpha beta
Gene ID :	171558
Uniprot ID :	Q6ISU1
Format :	Purified
Alternative Name :	Pre T-Cell Receptor alpha beta
Isotype :	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

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	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

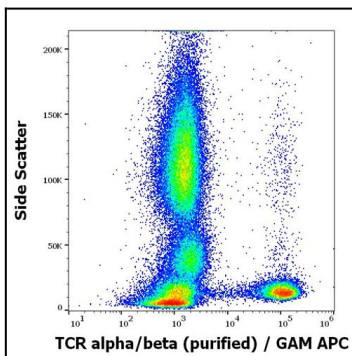


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human TCR alpha/beta (IP26) purified antibody

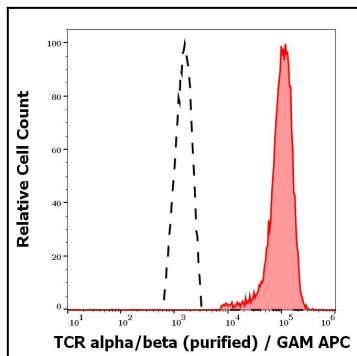


Figure 2: Separation of human TCR alpha/beta positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human TCR alpha/beta (IP26) purified antibody