

Product datasheet for **AM26003AC-N**

T Cell Receptor (TCR) alpha/beta Mouse Monoclonal Antibody [Clone ID: IP26]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IP26
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of Human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This Mouse monoclonal antibody IP26 recognizes a monomorphic determinant of TCR alpha/beta, the dominant subtype of T cell receptor expressed in Human peripheral blood.
Formulation:	PBS Label: APC State: Liquid purified IgG fraction Stabilizer: 0.2% (w/v) high-grade protease free BSA Preservative: 15 mM Sodium Azide
Purification:	Size-Exclusion Chromatography and adjusted for direct use
Conjugation:	APC
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! This products is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.



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Background:

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.