

Product datasheet for **AM26003FC-N**

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

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | IP26 |
| Applications: | FC |
| Recommended Dilution: | Flow cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Specificity: | This antibody IP26 recognizes a monomorphic determinant of TCR alpha/beta, the dominant subtype of T cell receptor expressed in human peripheral blood. |
| Formulation: | Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent. Label: FITC State: Liquid purified Ig fraction Label: Conjugated with Fluorescein isothiocyanate under optimum conditions. The reagent is free of unconjugated and adjusted for direct use |
| Conjugation: | FITC |
| Storage: | Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. |
| Stability: | Shelf life: one year from despatch. |
| 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. |



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