



Mouse anti-Human CD25 mAb, PE

Product Data Sheet

PRODUCT INFORMATION

Catalog#/Size : GMH0251P-025/25 Tests
GMH0251P-100/100 Tests

Clone: GM1CD25

Isotype: Mouse IgG1

Reactivity: Human

Formulation: Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.1% (w/v)

Storage: Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE

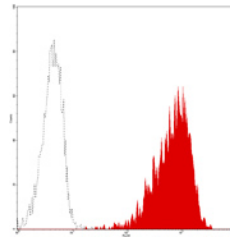
DESCRIPTION

GM1CD25 reacts with CD25 antigen, α chain of low-affinity interleukin-2 receptor (IL-2R α), which is expressed on activated cells including T, B, NK cells and monocytes. The antigen is also present on subset of thymocytes, HTLV-1 transformed T cell lines, EBV transformed B cells, myeloid precursors and oligodendrocytes. The high affinity IL-2 receptor is formed by the noncovalent association of α (55 kDa, CD25), β (75 kDa, CD122), and γ subunit (70 kDa, CD132). The interaction of IL-2 with IL-2R induces the activation and proliferation of T, B, NK cells and macrophages. CD4+/CD25+ cells might directly regulate the function of responsive T cells.

APPLICATION AND USAGE

Applications: FC, IF

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 10 μ l per million cells or 10 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



PHA-3d peripheral blood lymphocytes analyzed with PE CD25 (GM1CD25) mAb.

RELATED PRODUCTS

Catalog#	Product Name	Applications
GMH0251Z	Mouse anti-Human CD25, purified	FC
GMH0251F	Mouse anti-Human CD25, FITC	FC
GMH0251C	Mouse anti-Human CD25, PE-Cy5	FC
GMK901P	Mouse IgG1 Isotype control, PE	FC

REFERENCE

1. Kishimoto, T . *et al.* (1998). *Leucocyte Typing VI: White Cell Differentiation Antigens*. Garland Publishing, Inc. London.
2. Robb RJ. *et al.* (1984). *J. Exp. Med* **160**:1126
3. Greene WC and Leonard WJ *et al.* (1986). *Annu. Rev. Immunol.* **4**:69.
4. Ng WF*et al.* (2001). *Leukemia* **98**: 2736