



# Mouse anti-Human CD25 mAb, PE-Cy5

## Product Data Sheet

### PRODUCT INFORMATION

**Catalog#/Size :** GMH0251C-025/25 Tests  
GMH0251C-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

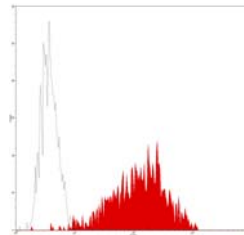
### DESCRIPTION

GM1CD25 reacts with CD25 antigen,  $\alpha$  chain of low-affinity interleukin-2 receptor ( IL-2R $\alpha$  ), 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  $\alpha$  ( 55 kDa, CD25 ),  $\beta$  ( 75 kDa, CD122 ), and  $\gamma$  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  $\mu$ l per million cells or 10  $\mu$ l per 100  $\mu$ 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-Cy5 CD25 ( GM1CD25 ) mAb.

### RELATED PRODUCTS

Catalog#	Product Name	Applications
GMH0251Z	Mouse anti-Human CD25, purified	FC
GMH0251P	Mouse anti-Human CD25, PE	FC
GMH0251F	Mouse anti-Human CD25, FITC	FC
GMK901C	Mouse IgG1 Isotype control, PE-Cy5	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