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# 30-2368: Anti-CD5 Monoclonal Antibody (Clone:53-7.3)-PE Conjugated

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | 53-7.3 |
| **Application :** | FACS, IP, IHC, IHC-Fr |
| **Reactivity :** | Mouse |
| **Conjugate :** | PE |
| **Gene :** | Cd5 |
| **Gene ID :** | 12507 |
| **Uniprot ID :** | P13379 |
| **Alternative Name :** | Cd5,Ly-1 |
| **Isotype :** | Rat IgG2a |
| **Immunogen Information :** | mouse thymus or spleen cells |

## Description

CD5 (T1) is a single-chain transmembrane glycoprotein expressed on all mature T-lymphocytes, most of thymocytes, subset of B-lymphocytes and on many T-cell leukemias and lymphomas. It is a type I membrane glycoprotein whose extracellular region contains three scavenger receptor cysteine-rich (SRCR) domains. CD5 modulates signaling through the antigen-specific receptor complex (TCR and BCR). CD5 crosslinking induces extracellular Ca++ mobilization, tyrosine phosphorylation of intracellular proteins and DAG production. CD5 may serve as a dual receptor, giving either stimulatory or inhibitory signals depending both on the cell type and development stage. In thymocytes and B1a cells seems to provide inhibitory signals, in peripheral mature T lymhocytes it acts as a costimulatory signal receptor. CD5 is the phenotypic marker of a B cell subpopulation involved in the production of autoreactive antibodies.

## Product Info

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|---|---|
| **Amount :** | 0.1 mg |
| **Storage condition :** | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

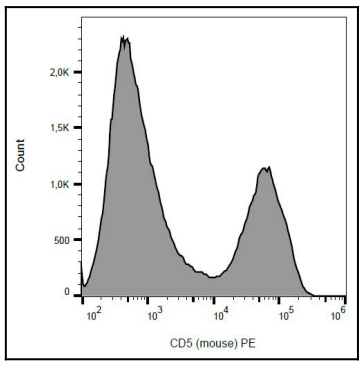



Figure 1: Surface staining of murine splenocytes with anti-CD5 (53-7.3) PE.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***