

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	53-7.3
<b>Application :</b>	FACS, IP, IHC, IHC-Fr
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	PE
<b>Gene :</b>	Cd5
<b>Gene ID :</b>	12507
<b>Uniprot ID :</b>	P13379
<b>Alternative Name :</b>	Cd5,Ly-1
<b>Isotype :</b>	Rat IgG2a
<b>Immunogen Information :</b>	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<sup>++</sup> 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 lymphocytes 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

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

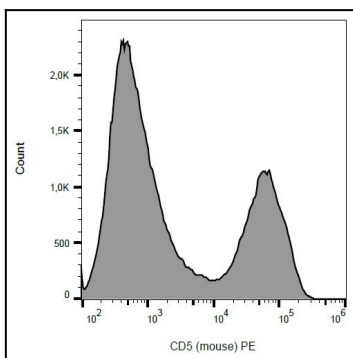


Figure 1: Surface staining of murine splenocytes with anti-CD5 (53-7.3) PE.