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## PE/Cyanine 5.5 Anti-Mouse CD5 Antibody [53-7.3]

Catalog Number: E-AB-F1185UI

Note: Centrifuge before opening to ensure complete recovery of vial contents.

**Description** 

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. 53-7.3

Isotype Control PE/Cyanine5.5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833I]

Conjugation PE/Cyanine 5.5

Conjugation Information PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm

(e.g., a 690/50 nm bandpass filter).

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is  $0.1-1 \mu g/10^6$  cells

in 100 µL volume].

**Preparation & Storage** 

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

**Antigen Information** 

Alternate Names CD5;Cd5;Ly-1;Lymphocyte antigen 1;Lyt-1

 Uniprot ID
 P13379

 Gene ID
 12507

Background CD5 is a 67 kD protein, also known as Lyt-1, Ly-1, T1, Tp67, or Ly-12. It is a member of

the scavenger receptor cysteine-rich protein superfamily (SRCR) and primarily expressed on thymocytes, T cells, and B-1 cells. Although mature  $\alpha/\beta$  T cells express high levels of CD5, very few  $\gamma/\delta$  T cells express this antigen. The interaction of CD5 with

CD72, gp35-37, TCR, or BCR is involved in T and B cell activation.