

## PE/Cyanine5.5 Anti-Mouse CD5 Antibody[53-7.3]

Catalog Number: GFH1185I

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

| Description             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Host                    | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                 | Rat IgG2a, $\kappa$                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone No.               | 53-7.3                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype Control         | PE/Cyanine5.5 Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832I]                                                                                                                                                                                                                                                                                                                                                                    |
| 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% sodium azide.                                                                                                                                                                                                                                                                                                                                                                              |
| Applications            | Recommended usage                                                                                                                                                                                                                                                                                                                                                                                                                                |
| FCM                     | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.                 |
| Preparation & Storage   |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage                 | Keep as concentrated solution.<br>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. |