

## Purified Anti-Human CD5 Antibody[5D7]

catalog number: **E-AB-F13710P**

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

### Description

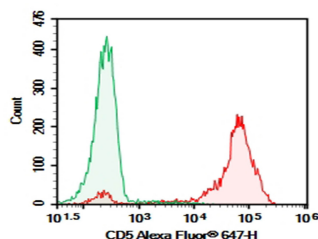
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human CD5 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone</b>	5D7
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

<b>FCM</b>	2 $\mu\text{g/mL}$ ( $1 \times 10^5$ - $5 \times 10^5$ cells)
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### Data



Human peripheral blood lymphocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD5 Antibody[5D7] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by Alexa Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

CD5, also known as Leu-1, is a type I transmembrane protein belonging to the scavenger receptor cysteine-rich (SRCR) superfamily. It is expressed on thymocytes, T cells and the B1a subpopulation of B cells. CD5 binds the C-type lectin, CD72, and modulates signaling through the antigen receptors on T and B cells. CD5 has been shown to provide either positive or negative co-stimulatory signals depending on cell type to regulate immune responses.

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