

## PE/Cyanine7 Anti-Human CD101 Antibody[BB27]

Catalog Number: E-AB-F1361H

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

### Description

<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone No.</b>	BB27
<b>Isotype Control</b>	PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]
<b>Conjugation</b>	PE/Cyanine 7
<b>Conjugation Information</b>	PE/Cyanine7 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 775 nm (e.g., a 780/60 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

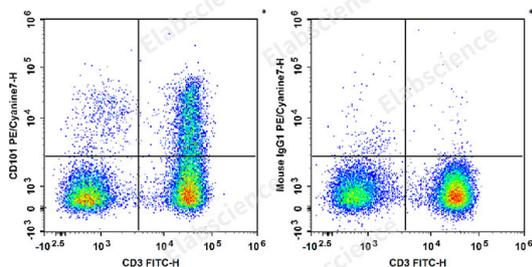
### Applications

FCM

### Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and PE/Cyanine7 Anti-Human CD101 Antibody[BB27] (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and PE/Cyanine7 Mouse IgG1, κ Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	P126;V7
<b>Uniprot ID</b>	Q93033
<b>Gene ID</b>	9398

### For Research Use Only

## Background

CD101 is a type I transmembrane glycoprotein, known as V7, and P126. It is a 120 kD homodimer, the member of EWI family within Ig superfamily. CD101 is found on monocytes, granulocytes, dendritic cells, a subpopulation of peripheral blood T cells and activated T cells. It has been reported that CD101 expressing Tregs possess higher inhibitory function. The biological function of CD101 is still not clear. But it has been found that BB27 antibody is able to inhibit T cell proliferative responses and this inhibitory function can be overcome by high doses of IL-2. Activation of CD101 on dendritic cells is able to induce IL-10 production.