

PerCP/Cyanine5.5 Anti-Human CD101 Antibody[BB27]

Catalog Number: E-AB-F1361J

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

Description

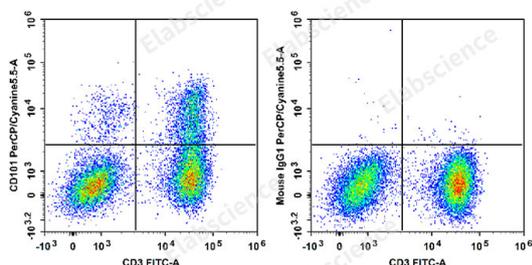
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	BB27
Isotype Control	PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J]
Conjugation	PerCP/Cyanine 5.5
Conjugation Information	PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 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. 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.
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Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and PerCP/Cyanine5.5 Anti-Human CD101 Antibody[BB27] (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control (Right).

Preparation & Storage

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

Antigen Information

Alternate Names	P126;V7
Uniprot ID	Q93033
Gene ID	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.