

**PE/Cy7 anti-human CD101 (BB27)**

**Catalog # / Size:** 2255070 / 100 tests  
2255065 / 25 tests

**Clone:** BB27

**Isotype:** Mouse IgG1,  $\kappa$

**Reactivity:** Human, Non-human primate

**Concentration:** Lot-specific

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ L per million cells or 5  $\mu$ L per 100  $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** NULL

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**Description:** 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.