

**Purified Anti-human CD101 Antibody**  
**\*BB27\***Catalog number: 11010000  
Unit size: 100 ug**Product Details**

|                    |   |
|--------------------|---|
| Storage Conditions | 2-8°C with minimized light exposure. Do not freeze.         |
| Expiration Date    | 12 months upon receiving                                    |
| Concentration      | 0.5 mg/mL   |
| Formulation        | Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide |

**Antibody Properties**

|                    |               |
|--------------------|---------------|
| Species Reactivity | Human         |
| Class              | Primary       |
| Clonality          | Monoclonal    |
| Host               | Mouse         |
| Isotype            | Mouse IgG1    |
| Immunogen          | CD101 (IGSF2) |
| Clone              | BB27          |

**Biological Properties**

|             |  |
|-------------|--|
| Appearance  | Liquid   |
| Preparation | Antibody purified by affinity chromatography   |
| Application | Flow Cytometry (FACS), ELISA, HC, Western Blot |

**Applications**

The BB27 monoclonal antibody binds to human CD101, a 120 kD member of the Ig superfamily commonly found on the surface of T cells, granulocytes and dendritic cells. CD101 acts in important cellular pathways, for instance, the cell surface receptor signaling pathway. Additionally, in some organisms, it is an enhancer of myeloid leukocyte differentiation. From a research standpoint, it is of biological interest due to its association with key macromolecules/ligands. CD101 is a relatively rare antibody target, with fewer than 200 publications in the last decade. Even still, CD101 is often used in flow cytometry applications as a phenotypic marker for differentiation of cell types, especially in the study of immunology. This antibody was purified through affinity chromatography.