

# Anti-Human CD101-158Gd

Catalog: 3158020B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human

Clone: BB27

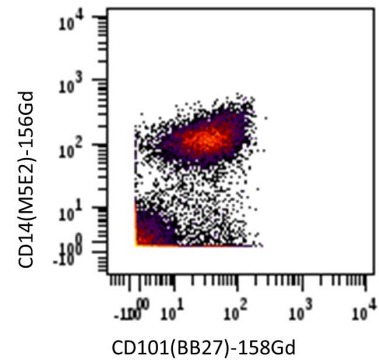
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 158Gd-anti-CD101(BB27) and 156Gd-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

## Description

CD101, also known as V7 antigen, is a 120kDa type I transmembrane glycoprotein in immunoglobulin superfamily. Expression of CD101 is found on monocytes, granulocytes, dendritic cells, as well as a subset of T cells and activated T cells in lung, thymus and small intestine. CD101 plays a role as inhibitor of T-cells proliferation induced by CD3. It also inhibits expression of IL2RA on activated T cells and secretion of IL-2. Activation of CD101 on dendritic cells is able to induce IL-10 production.

## References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

**For technical support visit [fluidigm.com/support](http://fluidigm.com/support)**

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