

Anti-Human CD101-165Ho

Catalog: 3165029B

Clone: BB27

Package Size: 100 tests

Isotype: IgG1

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

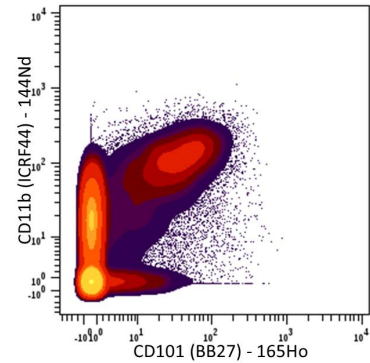
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human,

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 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with ¹⁴⁴Nd-anti-CD11b (ICRF44) and ¹⁶⁵Ho-anti-CD101 (BB27).

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

North America +1 650 266 6100 | Toll-free: +1 866 358 4354 in the US | support.northamerica@fluidigm.com **Europe** +33 1 60 92 42 40 | support.europe@fluidigm.com

China (excluding Hong Kong) +86 21 3255 8368 | techsupportchina@fluidigm.com **Japan** +81 3 3662 2150 | techsupportjapan@fluidigm.com

All other Asian countries +1 650 266 6100 | techsupportasia@fluidigm.com **Central and South America** +1 650 266 6100 | techsupportlatam@fluidigm.com

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