

Anti-Human CD147-156Gd

Catalog: 3156022B

Package Size: 100 tests

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

Reactivity: Chimpanzee,Olive Baboon,Capuchin Monkey,Human

Clone: HIM6

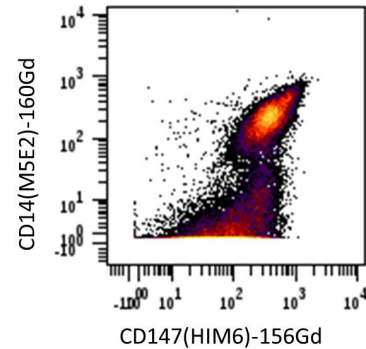
Isotype: IgG1

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 10⁶ 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 156Gd-anti-CD147(HIM6) and 160Gd-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The HIM6 monoclonal antibody specifically binds to CD147, a 55-65 kD type I transmembrane glycoprotein, also known as neurothelin or basigin. CD147 is broadly present on both of hematopoietic and non-hematopoietic cells. CD147 is primarily expressed on leukocytes, erythrocytes, platelets, and endothelial cells. CD147 has been reported to play a role in embryonal blood-brain barrier development and also be involved in integrin-mediated adhesion in brain endothelia.

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

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