

Anti-Human CD84-154Sm

Catalog: 3154013B

Package Size: 100 tests

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

Reactivity: Human

Clone: CD84.1.21

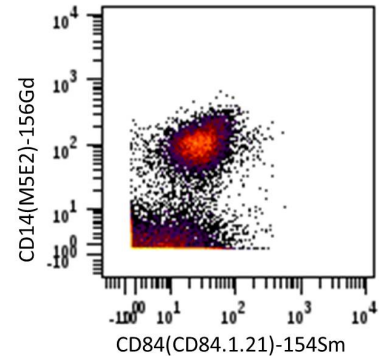
Isotype: IgG2a

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 154Sm-anti-CD84(CD84.1.21) and 156Gd-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The monoclonal antibody CD84.1.21 reacts to CD84, also known as SLAMF5 or Ly9b. CD84 is a transmembrane protein in the SLAM (CD150) superfamily. CD84 is expressed on mature B cells, CD45RO+ T-cells, platelets and some monocytes. CD84 homophilic binding enhances T cell activation and cytokine production. CD84 downstream signaling involves recruitment of SAP and EAT-2 and the production of IFNγ.

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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