

Anti-Human CD282-154Sm

Catalog: 3154015B

Package Size: 100 tests

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

Reactivity: Human

Clone: TL2.1

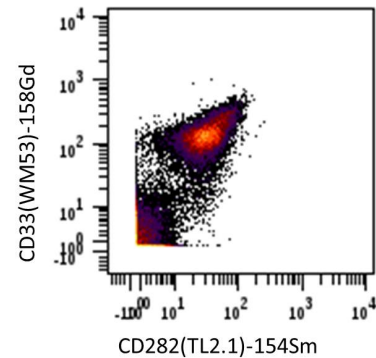
Isotype: IgG2a

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-CD282(TL2.1) and 158Gd-anti-CD33(WM53). Total viable cells are displayed in the analysis.

Description

The TL2.1 monoclonal antibody specifically binds to CD282, also known as Toll-like receptor 2 (TLR2). Toll-like receptors are type I transmembrane signaling receptors which mediate microbial resistance in innate immune reactions. CD282 mediates the innate immune system's response to lipoproteins of Gram-negative bacteria and Gram-positive bacteria. There is also evidence that CD282 can function as a receptor for peptidoglycan and lipoteichoic acid.

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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