

Anti-Human/Mouse CD282/TLR2-149Sm

Catalog: 3149022B

Clone: T2.5

Package size: 100 tests

Isotype: Mouse IgG1

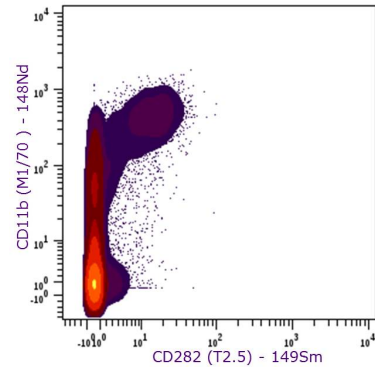
Storage: Store product at 4 °C. Do not freeze.

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 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 148Nd-anti-CD11b (M1/70) and 149Sm-anti-CD282 (T2.5). TCRb⁻ and B220⁻ cells are displayed in the analysis

Description

CD282, also known as TLR2, is an 89 kDa type I transmembrane signaling receptor that contains extracellular leucine-rich repeats and intracellular Toll/IL-1R domains. It is expressed on monocytes, macrophages, dendritic cells, granulocytes, epithelial cells and endothelial cells. CD282 interacts with TLR1 and TLR6 to mediate the innate immune response against various pathogens, including peptidoglycans, lipoproteins and lipoteichoic acid in Gram-positive bacteria, as well as different LPS from certain Gram-negative bacteria, yeast, spirochete and fungi.

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 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit fluidigm.com/support.

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