

Anti-Human CD272 (BTLA)-163Dy

Catalog: 3163009B

Clone: MIH26

Package Size: 100 tests

Isotype: IgG2a

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

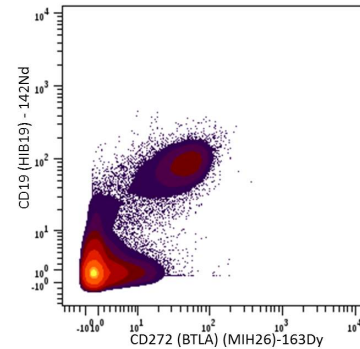
Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 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 142Nd-anti-CD19 (HIB19) and 163Dy-anti-CD272 (BTLA) (MIH26). CD45⁺ CD14⁻ cells are displayed in the analysis.

Description

CD272, also known as B and T lymphocyte attenuator (BTLA), is expressed on B cells, T cells, macrophages, dendritic cells, NKT cells and NK cells. CD272 is a type I transmembrane glycoprotein with structural and functional similarity to cytotoxic T lymphocyte antigen-4 (CTLA-4) and programmed cell death 1 (PD-1). It is implicated as a lymphocyte inhibitory receptor which inhibits lymphocytes during immune response.

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.

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