

Anti-Human CD223-150Nd

Catalog #: 3150016B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: 874501

Isotype: Mouse 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 were incubated for 3 days in media alone (left) or with PHA (right) and then cells were stained with 154Sm-anti-CD45 (Hi30) and 150Nd-anti-CD223/LAG-3 (874501). CD3+CD19- T cells are displayed in the analysis.

Description

Lymphocyte-activation gene 3 (LAG-3), also known as CD223, is a 70-kDa surface glycoprotein belonging to the Ig superfamily. LAG-3 shares homology with CD4, and LAG-3 binding to MHC class II is thought to contribute to the negative regulation of T cell activation. LAG-3 is expressed on T cells, including regulatory T cells and NK cells. Recently, it has been suggested that co-expression of CD49b and LAG-3 identifies human and mouse Type I regulatory T (Tr1) cells.

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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