

# Anti-Human CD223/LAG-3-150Nd

Catalog: 3150030B

Package size: 100 tests

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

Clone: 11C3C65

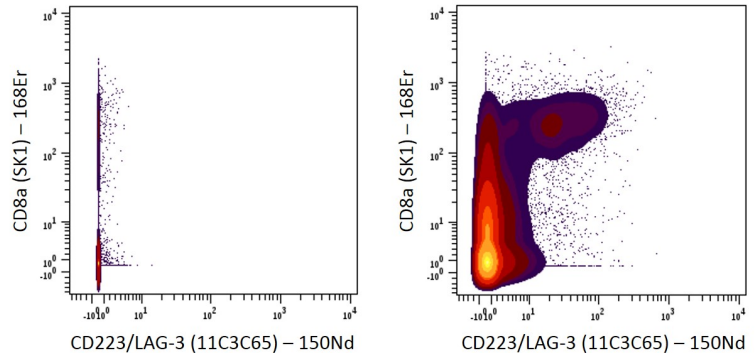
Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control-tested by CyTOF<sup>®</sup> 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  $3 \times 10^6$  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 three days in media alone (left) or with PHA (right) and then stained with 150Nd-anti-CD223/LAG-3 (11C3C65) and 168Er-anti-CD8a (SK1). Viable CD3+CD20- 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 1 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 (2009): 6,813–22.

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

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