

Anti-Human CD223-167Er

Catalog: 3167010B

Package Size: 100 tests

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

Reactivity: Human

Clone: 3DS223H

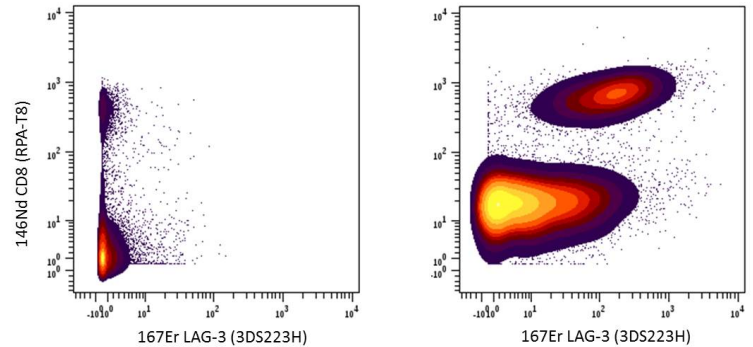
Isotype: IgG1

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 either unstimulated (left) or stimulated for 3 days with recombinant human IL-2, anti-human CD3 and anti-human CD28, and then stained with 146Nd anti-human CD8 (RPA-T8) and 167Er anti-human LAG-3 (CD223) 3DS223H. Total viable 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.

For technical support visit fluidigm.com/support

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