

Anti-Human Galectin-9-163Dy

Catalog: 3163002B

Clone: 9M1-3

Package Size: 100 tests

Isotype: IgG1

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

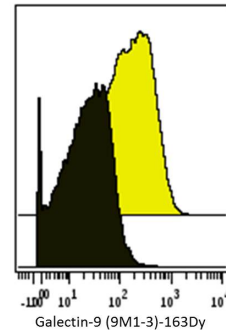
Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 HeLa cells (top) and human PBMCs (bottom) were fixed, permeabilized, and stained with 163Dy-anti-Galectin-9 (9M1-3).

Description

Galectin-9, also known as Ecalectin, is a 40 kD galactoside-binding protein with two conserved carbohydrate recognition domains (CRDs). Galectin-9 is expressed in a variety of tissues and cells, including lymphocytes, dendritic cells, granulocytes, eosinophils, astrocytes, endothelial cells, fibroblasts and thymus epithelial cells. Galectin-9 is involved in events such as cell aggregation, cell adhesion, chemotaxis and apoptosis. Galectin-9 induces regulatory T cells and suppresses Th1 and Th17 responses.

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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