

Anti-Human CD370-161Dy

Catalog: 3161018B

Package Size: 100 tests

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

Reactivity:

Clone: 8F9

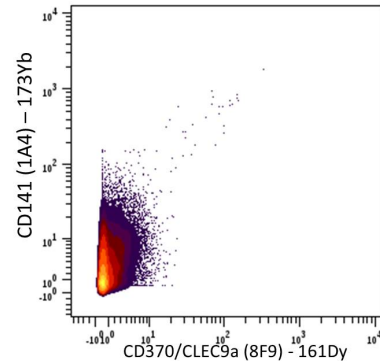
Isotype: IgG2a

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 stained with 173Yb-anti-CD141 (1A4) and 161Dy-anti-CD370/CLEC9a (8F9). CD3- HLA-DR+ cells are displayed in the analysis.

Description

CLEC9a (C-type lectin domain family member 9a) is also known as CD370 or DNCR1 (Dendritic cell natural killer lectin group receptor 1). It is a type II transmembrane protein consisting of a single extracellular C-type lectin domain (CTLD) and an intracellular cytoplasmic tail with immunoreceptor tyrosine-based activation motif (ITAM). CLEC9a is selectively expressed on plasmacytoid dendritic cells and CD8+ myeloid dendritic cells. CLEC9a acts as a receptor for necrotic cells and regulates the cross-presentation of dead-cell associated antigens in a Syk-dependent manner.

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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