

Anti-Human CD268-155Gd

Catalog: 3155005B

Package Size: 100 tests

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

Reactivity: Human

Clone: 11C1

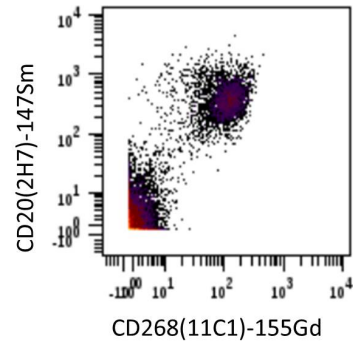
Isotype: IgG1

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 stained with 155Gd-anti-CD268(11C1) and 147Sm-anti-CD20(2H7). Total viable cells are displayed in the analysis.

Description

B cell-activating factor receptor (BAFF-R) is a 19 kD type III membrane protein, also known as CD268. BAFF-R is expressed on mature B cells, B cell lymphoma, and T cell subsets. BAFF-R is one of the receptors for B-cell activating factor (BAFF), a member of the TNF family of proteins. BAFF is a key regulator for B cell differentiation and is critical in the regulation of survival and activation of peripheral B cell populations. Experiments in a mouse model have demonstrated that interaction of BAFF with BAFF-R promotes NF-κB activity. Overexpression of BAFF results in expansion of the B cell compartment and autoimmunity in mice.

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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