

Anti-Human IgA-148Nd

Catalog: 3148007B

Package size: 100 tests

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

Clone: Polyclonal

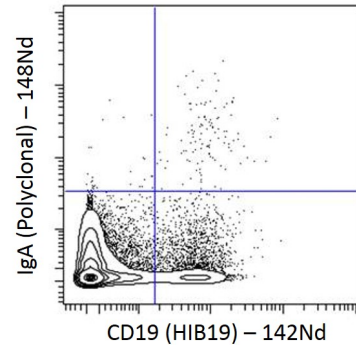
Isotype: Goat Polyclonal

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 142Nd-anti-CD19 (HIB19) and 148Nd-anti-IgA (Polyclonal). Lymphocytes are displayed in the analysis.

Description

Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA can exist in a dimeric form called secretory IgA (sIgA). In its secretory form, IgA is the main immunoglobulin found in mucous secretions, including tears, saliva, colostrum and secretions from the genitourinary tract, gastrointestinal tract, prostate and respiratory epithelium. It is also found in small amounts in blood. The secretory component of sIgA protects the immunoglobulin from being degraded by proteolytic enzymes, thus IgA can survive in the harsh gastrointestinal tract environment and provide protection against microbes that multiply in body secretions.

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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