

Anti-Human HLA-A,B,C-144Nd

Catalog: 3144017B

Package size: 100 tests

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

Cross-reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Bovine, Feline

Clone: W6/32

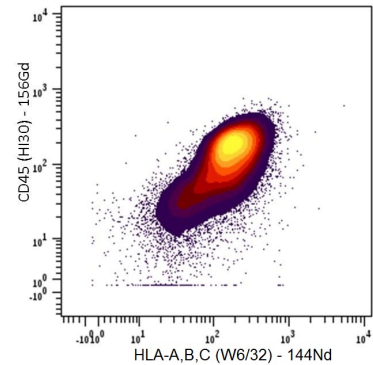
Isotype: Mouse IgG2a

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 μ L for up to 3×10^6 live cells in 100 μ L. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMC stained with 156Gd-anti-CD45 (HI30) and 144Nd-anti-HLA-A,B,C (W6/32).

Description

The human leukocyte antigen (HLA) system is the locus of genes that encode for the major histocompatibility complex (MHC) in humans. The W6/32 monoclonal antibody reacts with MHC class I loci including HLA-A, -B, and -C. MHC class I, in association with beta 2-microglobulin, is expressed by all human nucleated cells and plays a central role in antigen presentation, and therefore in the cell-mediated immune response.

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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