

Anti-Mouse MHC Class I-144Nd

Catalog #: 3144016B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: 28-14-8

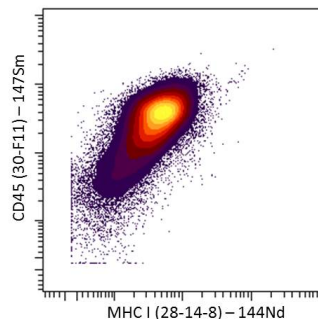
Isotype: Mouse IgG2a

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 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.



Mouse splenocytes stained with 147Sm-anti-CD45 (30-F11) and 144Nd-anti-MHC I (H-2Db) (28-14-8). Total viable cells are displayed in the analysis.

Description

The 28-14-8 monoclonal antibody reacts with the mouse MHC class I, H-2Db, and cross-reacts with H-2Ld, H-2Dq and/or H-2Lq. Binding of 28-14-8 to the alpha 3 domain of H-2Ld is not dependent on β2-microglobulin.

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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