

Anti-Mouse NK1.1-170Er

Catalog #: 3170002B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: PK136

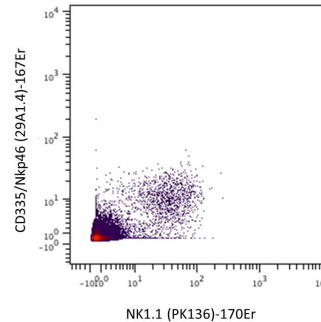
Isotype: Mouse IgG2a

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 167Er-anti-CD335/Nkp46 (29A1.4) and 170Er-anti-NK1.1(PK136).

Description

NK-1.1, also known as CD161b/CD161c and Ly-55, is a transmembrane surface protein encoded by the NKR-P1B/NKR-P1C gene. It is expressed on NK cells and NK-T cells in some mouse strains, including C57BL/6, FVB/N, and NZB, but not AKR, BALB/c, CBA/J, C3H, DBA/1, DBA/2, NOD, SJL, or 129. NK-1.1 plays a role in NK cell activation and cytokine production. For mouse strains that do not express NK1.1, DX5 may be an appropriate NK cell marker.

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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