

TECHNICAL DATA SHEET

CyFlow™ NK1.1 Purified Anti-Ms; Clone PK136

REF BV488567

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	NK1.1
Alternative Names	CD161bc
Clone	PK136
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Mouse
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	NK1-positive murine splenic and bone marrow cells

Specificity

The mouse monoclonal antibody PK136 recognizes NK1.1 (CD161bc) antigen (NK cell marker) expressed by some mouse strains (e.g. C57BL/6, NZB, CE, C58, Ma/My), whereas other strains (e.g.

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BALB/c, AKR, CBA, C3H) do not express this antigen. This antibody detects a conformational epitope on Nkrp1c and Nkrp1b gene products.

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry (frozen sections)
- Functional assays

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

NK1.1 (CD161bc and also known as NKRP1, Ly55c, or Ly59) is a cell surface antigen expressed on NK cells and NK-T cells of certain mouse strains, which is being used for identification or antibody-mediated depletion of these cells in the respective strains. This antigen participates in NK cell activation, including production of interferon gamma, and release of cytotoxic granules.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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