

TECHNICAL DATA SHEET

CyFlow™ NK1.1 PE Anti-Ms; Clone PK136

REF BA162965

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	NK1.1
Alternative Names	CD161bc
Clone	PK136
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG2a
Species Reactivity	Mouse
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.5 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

The reagent is designed for Flow Cytometry analysis. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

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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