Monoclonal Antibody to NK1.1 / CD161bc (mouse)

Purified Antibody (0.1 mg)

Clone: PK136
Isotype: Mouse IgG2a
Specificity: The mouse monoclonal antibody PK136 recognizes NK1.1 antigen (NK cell marker) expressed by some mouse strains (e.g. C57BL/6, NZB, CE, C58, Ma/My), whereas other strains (e.g. BALB/c, AKR, CBA, C3H) do not express this antigen. This antibody detects a conformational epitope on Nkrp1c and Nkrp1b gene products.

Regulatory Status: RUO
Immunogen: NK1-positive murine splenic and bone marrow cells
Species Reactivity: Mouse
Application: Flow Cytometry
Immunoprecipitation
Immunohistochemistry (frozen sections)
Functional Application
in vivo depletion of NK cells and NK-T cells

Purity: > 95% (by SDS-PAGE)
Purification: Purified by protein-A affinity chromatography
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration: See vial label
Lot Number: See vial label

Background: NK1.1 / CD161bc (also known as NKR-P1, 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:


