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43-1101: Monoclonal Antibody to Mouse NK1.1 (CD161) NALE™ Purified (Clone: PK136)

Clonality :	Monoclonal
Clone Name :	PK136
Application :	FACS
Reactivity :	Mouse
Gene :	Klrb1c
Gene ID :	17059
Uniprot ID :	P27814
Alternative Name :	Ly55c,Â Nkrp1c, CD161 antigen-like family member C, Lymphocyte antigen 55c, NK1.1, NKR-P1.9, NKR-P1C, Natural killer cell surface protein P1-40, CD161c
Isotype :	Mouse IgG2a, kappa

Description

The PK136 monoclonal antibody is specific for the mouse NK1.1, a receptor from the killer cell lectin-like receptor (KLR) family. Nk1.1 is an antigen encoded by the Klrb1c/NKR-P1C gene expressed by the natural killer cells of some selected strains of mice (C57BL, FVB/N, NZB) and encoded by the Klrb1b/NKR-P1B gene expressed on Swiss NIH and SJL mice. Pk136 binds to an epitope common to NKR-P1B and NKR-P1C. The Klrb1 is a family of type II transmembrane C-type lectin receptors. Klrb1c activates the NK-cell cytotoxicity, while Klrb1b inhibits it. PK136 is useful in defining the NK cells and the rare population of NK-T lymphocytes and specific cultured monocytes.

Product Info

Amount :	500 µg
Content :	2 mg/ml in Phosphate-buffered aqueous solution, ph7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.