



## NK1.1 Antibody [PK136] (FITC)

CATALOG NUMBER: 77-158

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The PK136 monoclonal antibody is specific for the mouse NK1.1, a receptor from the killer cell lectin-like receptor (KLR) family.
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	0.5 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Mouse IgG2a, kappa
<b>CONJUGATE:</b>	FITC

### Additional Info

<b>ALTERNATE NAMES:</b>	Nk1, Ly59, Nk-1, CD161, Ly-59, Ly55c, NK1.1, NKRP1, Nk1.2, NK-RP1, Nk-1.2, Nkrp1c, ly-55c, NKRP140, AI462337, NKRP-1.9, Klrb1c
<b>OFFICIAL SYMBOL:</b>	Klrb1c
<b>GENE ID:</b>	17059

### Background

<b>BACKGROUND:</b>	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.
--------------------	---

**FOR RESEARCH USE ONLY**