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NK1.1 Antibody [PK136] (Biotin)

CATALOG NUMBER: 77-156

Specifications

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

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	0.5 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG2a, kappa
CONJUGATE:	Biotin

Additional Info

ALTERNATE NAMES:	Nk1, Ly59, Nk-1, CD161, Ly-59, Ly55c, NK1.1, NKRP1, Nk1.2, NK-RP1, Nk-1.2, Nkrp1c, ly-55c, NKRP140, AI462337, NKR-P1.9, Klrb1c
OFFICIAL SYMBOL:	Klrb1c
GENE ID:	17059

Background

BACKGROUND:	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.

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