

anti-rat CD161 NK-Cells (NKR-P1) FITC-conjugated

FITC- conjugated monoclonal antibody 10-78 to rat CD161 (NK-Cells)

Cat-No: **23151613**

500 µl

Clone: 10-78

Specificity: This anti-rat NK cell monoclonal antibody recognizes a 60 kDa disulfide linked homodimer known as NKR-P1. This type II transmembrane glycoprotein is found on rat NK cells and large granular lymphocytes. This antibody is suitable for flow cytometry. It is also reported to work with frozen sections.

Isotype subclass: Mouse IgG1

Form: The purified antibody is conjugated with Fluoresceinisothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.02% NaN₃ and BSA as a stabilizing protein

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at 4 °C. Avoid prolonged exposure to light.

Application: Flow Cytometry

References: 1. Ryan, J.C. et al (1991), NKR-P1, an activating molecule on rat natural killer cells, stimulates phosphoinositide turnover and a rise in intracellular calcium, *J Immunol.* 141, 3244-3250
2. Sciba, A. et al. (1998), Phenotype of rat monocytes during acute kidney allograft rejection: increased expression of NKR-P1 and reduction of CD43. *Scand.J.Immunol.* 47, 332-342
3. Josien, R. et al. (1997), Rat spleen dendritic cells express natural killer cell receptor protein 1 (NKR-P1) and have cytotoxic activity to select targets via Ca²⁺-dependent mechanism, *J Exp. Med.* 186, 467-472
4. Sciba, A. et al. (1997), Rat monocytes up-regulate NKR-P1A and down-modulate CD4 and CD43 during activation in vivo: monocyte subpopulations in normal and IFN-γ-treated rats. *J. Leuko.Bio.*, 62, 741-751
5. Na, H. et al. (1992) Distribution of lymphocyte subsets in rat milk from normal and *Trichinella spiralis*-infected rats. *J.Repro.Bio.* 22, 269-279
6. Giorda, R. et al. (1990) NKR-P1, a signal transduction molecule on natural killer cells, *Science*, 249, 1298-1300
7. Vaage, J.T. et al. (1991), Allospecific recognition of hemich cells in vitro by natural killer cells from athymic rats: evidence that allodeterminants coded for by single major histocompatibility complex haplotypes are recognized, *Eur.J.Immunol.* 21, 2167-2175

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feedingstuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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