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PE Anti-Rat CD161 Antibody[3.2.3]

Catalog Number: E-AB-F1307D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

| Description | |
|-------------------------|---|
| Reactivity | Rat |
| Host | Mouse |
| lsotype | Mouse IgG1, ĸ |
| Clone No. | 3.2.3 |
| Isotype Control | PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D] |
| Conjugation | PE |
| Conjugation Information | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| Applications | Recommended usage |
| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

Data



Rat splenocytes are stained with APC Anti-Rat CD3 Antibody and PE Anti-Rat CD161 Antibody (Left). Splenocytes are stained with APC Anti-Rat CD3 Antibody and PE Mouse IgG1, κ Isotype Control (Right).

| Preparation & Storage | |
|-----------------------|--|
| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged |
| | exposure to light and do not freeze. |
| Shipping | Ice bag |
| Antigen Information | |
| Alternate Names | CD161a/CD161bNKR-P1a/KLRB1a;NKR-P1 |
| Uniprot ID | P27471;A4KWA1;Q5NKN4;Q5NKN2 |

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Gene ID Background

362443

CD161 is a 30 kD type II transmembrane C-type lectin, expressed as a homodimer. Rat NKR-P1 receptors are primarily expressed on NK cells, a subset of T cells, dendritic cells, and activated monocytes. There are three different types of NKR-P in rat, namely NKR-P1a, NKR-P1b, and NKR-P1c. NKR-P1a does not contain an ITIM structure and is an activating receptor, while NKR-P1b contains an ITIM and displays inhibitory function. LLT-1 (ligand lectin like transcript 1) is the ligand, while KLR (killer cell lectin like) functions as a receptor.

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