

## APC Anti-Rat CD161 Antibody[3.2.3]

Catalog Number: E-AB-F1307E

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

### Description

|                         |  |
|-------------------------|--|
| Reactivity              | Rat  |
| Host                    | Mouse  |
| Isotype                 | Mouse IgG1, κ  |
| Clone No.               | 3.2.3  |
| Isotype Control         | APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]  |
| Conjugation             | APC  |
| Conjugation Information | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.   |

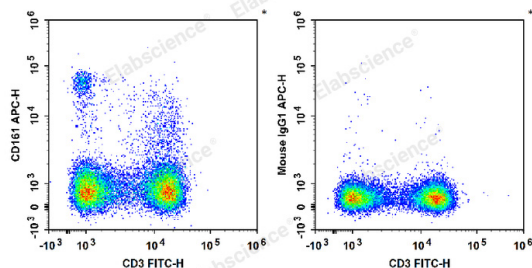
### Applications

### 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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 FITC Anti-Rat CD3 Antibody and APC Anti-Rat CD161 Antibody (Left).  
Splenocytes are stained with FITC Anti-Rat CD3 Antibody and APC Mouse IgG1, κ Isotype Control (Right).

### Preparation & Storage

|          |   |
|----------|---|
| Storage  | Keep as concentrated solution.<br>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        |
| Gene ID         | 362443                             |

### For Research Use Only

## Background

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.