

## FITC Anti-Rat CD161 Antibody[3.2.3]

**Catalog Number:** GFH1307C

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

### Description

|                                |                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Rat                                                                                                                                                      |
| <b>Host</b>                    | Mouse                                                                                                                                                    |
| <b>Isotype</b>                 | Mouse IgG1, κ                                                                                                                                            |
| <b>Clone No.</b>               | 3.2.3                                                                                                                                                    |
| <b>Isotype Control</b>         | FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C]                                                                                       |
| <b>Conjugation</b>             | FITC                                                                                                                                                     |
| <b>Conjugation Information</b> | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

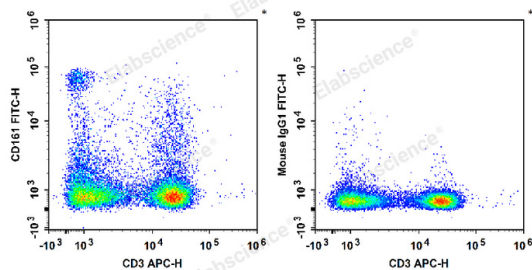
### Applications

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

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | 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. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                    |
|------------------------|------------------------------------|
| <b>Alternate Names</b> | CD161a/CD161bNKR-P1a/KLRB1a;NKR-P1 |
| <b>Uniprot ID</b>      | P27471;A4KWA1;Q5NKN4;Q5NKN2        |
| <b>Gene ID</b>         | 25192;362443;678513                |

### 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.