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# FITC Anti-Rat CD161 Antibody[3.2.3]

Catalog Number: E-AB-F1307C

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

#### Description

Reactivity Rat Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. 3.2.3

FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C] Isotype Control

Conjugation

**Conjugation Information** 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).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

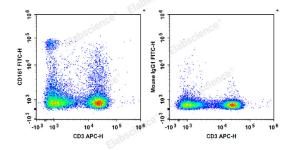
#### **Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM** 

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**

Keep as concentrated solution. **Storage** 

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 25192;362443;678513

## For Research Use Only

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#### **Elabscience Bionovation Inc.**



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### **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.

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