

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD161/NK1.1 Monoclonal  
Antibody(PerCP/Cyanine5.5 Conjugated)

**Catalog:** DL20044F

**Synonyms:** Killer cell lectin-like receptor subfamily B member  
1C, Klrb1c, CD161 antigen-like family member  
C, Ly-55c, CD161/NK1.1, NKR-P1.9, NKR-P1C, NKR  
-P1 40, CD161c

**Background:** NK-1.1 surface antigen, also known as  
CD161b/CD161c and Ly-55, is encoded by the  
NKR- PIB/NKR-P1C gene. It is expressed on NK  
cells and NK-T cells in some mouse strains,  
including C57BL/6, FVB/N, and NZB, but not AKR,  
BALB/c, CBA/J, C3H, DBA/1, DBA/2, NOD, SJL,  
and 129. Expression of NKR-P1C antigen has been  
correlated with lysis of tumor cells in vitro and

rejection of bone marrow allografts in vivo. NK-1.1 has also been shown to play a role in NK cell activation, IFN- $\gamma$  production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.

**Form:** Liquid

**Isotype:** Mouse IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Mouse

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PerCP/Cyanine5.5

**SwissProt:** P27814

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

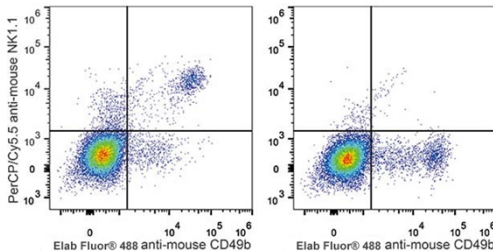
### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1

$\mu\text{g}/10^6\text{cells}$  in 100  $\mu\text{L}$  volume].

### Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD161/NK1.1 Monoclonal Antibody (PerCP-Cy5.5 Conjugated) [Used at 0.2  $\mu\text{g}/10^6$  cells dilution] and Anti-Mouse CD49b Monoclonal Antibody (AF488 Conjugated). Splenocytes stained with Anti-Mouse CD49b Monoclonal Antibody (AF488 Conjugated) (right) are used as control.



### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.