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

**Catalog:** DL20026F

**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- P1B/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:** 0.5 mg/mL

**Conjugation:** Biotin

**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. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**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.