

**Manufacturer/Supplier:**

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**Product name:** Purified Anti-Mouse CD132 Monoclonal Antibody

**Catalog:** DL20287F

**Synonyms:** Cytokine receptor common subunit  
gamma, IL2rg, Interleukin-2 receptor subunit  
gamma, IL-2 receptor subunit gamma, IL-2R subunit  
gamma, IL-2RG, gammaC, p64, CD132

**Background:** CD132 is a 64-70 kD type I transmembrane glycoprotein of the Ig superfamily, and is also known as common  $\gamma$  chain ( $\gamma$ c) or IL-2 receptor  $\gamma$  subunit. It is expressed broadly on T- and B- lymphocytes, NK cells, monocytes, and granulocytes. CD132 is an essential component of cytokine receptors for IL-2, IL-4, IL-7, IL-9, IL-15, and IL-21. Ligand binding induces tyrosine phosphorylation and initiates signaling through a JAK/STAT pathway. CD132

mutation results in X-linked severe combined immune deficiency (XSCID).

**Form:** Liquid

**Isotype:** Rat IgG2b,  $\kappa$

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

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P34902

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

### 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  $\leq 2.0 \mu\text{g}$  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. Do not freeze.

This product is guaranteed up to one year from purchase.