

**PE anti-mouse CD94**

**Catalog # / Size:** 1127540 / 200 µg  
1127535 / 50 µg

**Clone:** 18d3

**Isotype:** Rat IgG2a, κ

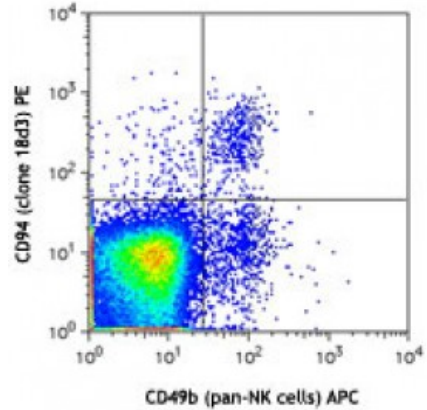
**Immunogen:** CHO cells expressing the B6 alleles of CD94 and NKG2A

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2

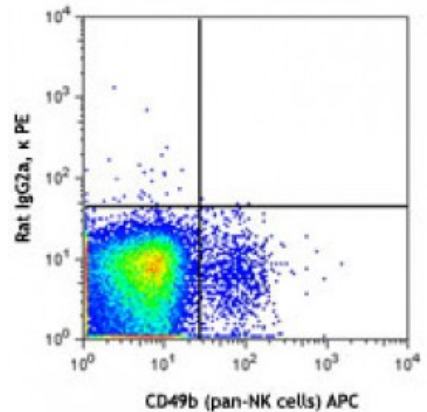


C57BL/6 mouse splenocytes were stained with CD49b (pan-NK cells) APC and CD94 (clone 18d3) PE (top) or rat IgG2a, κ PE isotype control (bottom).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



**Application References:** 1. Vance RE, *et al.* 1999. *J. Exp. Med.* 190:1801.  
2. Tang X, *et al.* 2006. *J. Immunol.* 177:7645. [PubMed](#)

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**Description:** CD94 is a 43/39 kD C-type lectin, also known as Kp43. It is present on all NK cells, NKT cells, and a subset of CD8-positive T lymphocytes in most mouse strains. CD94 is a type-II transmembrane protein with an extracellular lectin-like domain and a short cytoplasmic tail. CD94 is expressed as a disulphide-linked heterodimer with a NKG2 subunit believed to mediate signal transduction. When associated with NKG2A, the complex triggers inhibition; when associated with NKG2C, the complex triggers stimulation. The receptor complex of CD94 and NKG2 receptors bind to the ligand, Qa-1, and are thought to play a role in maintaining self-tolerance in developing NK cells.

- Antigen**
- References:**
1. Barclay A, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
  2. Lopez-Botet M, *et al.* 1997. *Immunol. Rev.* 155:165.
  3. Moretta A, *et al.* 1997. *Immunol. Rev.* 155:105.
  4. Phillip