

## Product datasheet for **AM26784RP-N**

### CD94 (KLRD1) Mouse Monoclonal Antibody [Clone ID: HP-3D9]

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | HP-3D9   |
| Applications:         | FC   |
| Recommended Dilution: | <b>Flow Cytometry analysis</b> of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.  |
| Reactivity:           | Human  |
| Host:                 | Mouse  |
| Isotype:              | IgG1   |
| Clonality:            | Monoclonal   |
| Immunogen:            | Cultured human NK cells  |
| Specificity:          | This antibody recognizes CD94, a 70 kDa type II transmembrane glycoprotein expressed on NK cells, NK-T cells, and subsets of CD8+ T cells and gamma/delta T cells.   |
| Formulation:          | Phosphate buffered saline (PBS)<br>Label: PE<br>State: Liquid Ig fraction<br>Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA)<br>Preservative: 15 mM sodium azide<br>Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary. |
| Conjugation:          | PE   |
| Storage:              | Store the antibody undiluted at 2-8°C.<br><b>DO NOT FREEZE!</b><br>This product is photosensitive and should be protected from light.  |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | killer cell lectin like receptor D1  |
| Database Link:        | <a href="#">Entrez Gene 3824 Human Q13241</a>  |



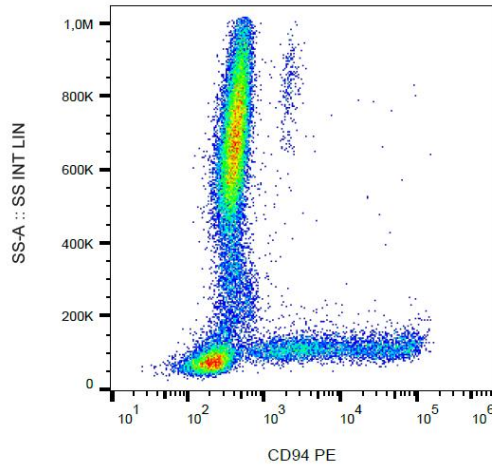
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**Background:**

CD94, also known as KLRD1 (killer cell lectin-like receptor D1), is a transmembrane glycoprotein of the C-type lectin family, which forms disulfide-linked heterodimers with NKG2A, B, C, E, H proteins, constituting functionally distinct receptors of NK cells and related cell types. CD94/NKG2A and CD94/NKG2B heterodimers serve as inhibitory, whereas CD94/NKG2C and CD94/NKG2E as activating receptors. The ligand for CD94/NKG2 complexes has been identified as HLA-E. Extent of CD94 expression on NK cell surface can be used to demonstrate their progress through the differentiation process.

**Synonyms:**

KLRD1, KP43, NK cell receptor

**Product images:**

Surface staining of CD94 in human peripheral blood with anti-CD94 (HP-3D9) PE.