

Product datasheet for **AM26784FC-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	HP-3D9
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 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) Label: FITC State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! 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:	Entrez Gene 3824 Human Q13241



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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