

1F-727-T025

Monoclonal Antibody to CD94 Fluorescein (FITC) conjugated (25 tests)

Clone: HP-3D9

Isotype: Mouse IgG1

Specificity: The mouse monoclonal antibody HP-3D9 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.

HLDA V; WS Code NK82

Regulatory Status: RUO

Immunogen: Cultured human NK cells

Species Reactivity: Human

Preparation: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under

optimum conditions. The reagent is free of unconjugated FITC and adjusted for

direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 4

μl reagent / 100 μl of whole blood or 10° cells in a suspension.

The content of a vial (0.1 ml) is sufficient for 25 tests.

Expiration: See vial label

Lot Number: See vial label

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.



PRODUCT DATA SHEET

References:

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