

# PE-Labeled Monoclonal Anti-Human CD94 Antibody, Mouse IgG1 (AS683) (0.03% Proclin)

Catalog # FABm070-01



BIOSYSTEMS  
**Acro**

## Source

Monoclonal Anti-Human CD94 Antibody, Mouse IgG1 (AS683) is a mouse monoclonal antibody, which provides higher batch consistency and long term security of supply.

## Application

Flow Cytometry (Evaluation of the expression of CD94 on Human cells).

## Clone

AS683

## Species

Mouse

## Isotype

Mouse IgG1 | Mouse Kappa

## Specificity

This product is a specific antibody specifically reacts with CD94 epsilon protein.

## Reactivity

Human

## Immunogen

CD94

## Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

## Isotype Control

The isotype control is sold separately; please refer to Cat. No. [DNP-PM1](#) for product information.

## Recommended Dilution

1:20

## Formulation

Supplied as 0.2 µm-filtered solution in PBS (pH 7.4) containing 0.03% ProClin 300 and 0.2% BSA, with trehalose as protectant.

Please contact us for customized product forms or formulations.

## Storage

**Please protect from light and avoid repeated freeze-thaw cycles.**

This product is stable after storage at:

- Store at 2-8 °C for 12 months.

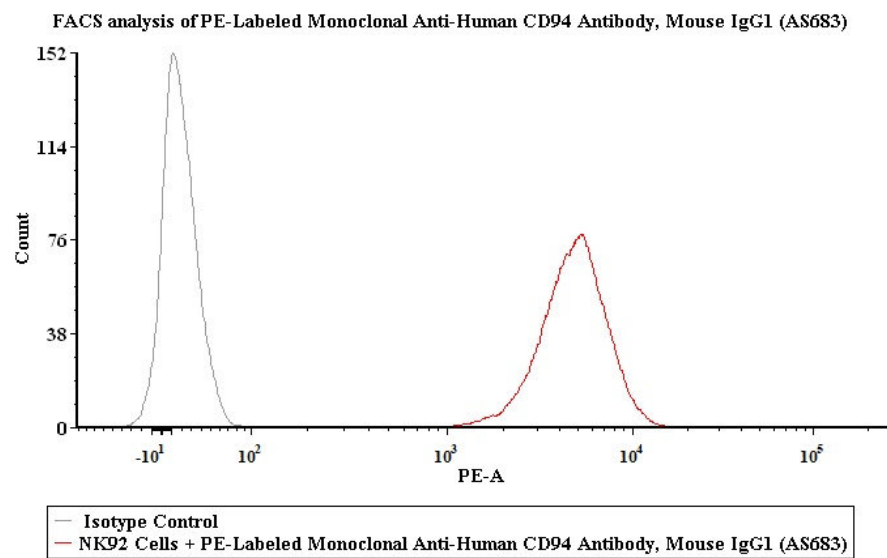
## Shipping

**This product is supplied and shipped with blue ice, please inquire the shipping cost.**

## ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## Bioactivity-FACS



Flow cytometric analysis of PE-Labeled Monoclonal Anti-Human CD94 Antibody, Mouse IgG1 (AS683) (Cat. No. FABm070-01) at 1:20 dilution (5  $\mu$ L of the antibody stock solution corresponds to labeling of  $1 \times 10^6$  cells in a final volume of 100  $\mu$ L), compared with isotype control antibody. PE signal was used to evaluate the binding activity (QC tested).

## Background

CD94 (Natural killer cells antigen CD94) is also known as KLRD1, KP43, NK cell receptor, Killer cell lectin-like receptor subfamily D member 1. CD94 plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. KLRD1 (CD94) is an antigen preferentially expressed on NK cells and is classified as a type II membrane protein because it has an external C terminus. CD94 pairs with the NKG2 molecule as a heterodimer. The CD94/NKG2 complex, on the surface of natural killer cells interacts with Human Leukocyte Antigen (HLA)-E on target cells.

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