

ARG42276
anti-CD94 / KLRD1 antibody [HP-3D9] (PE)

Package: 50 tests

Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [HP-3D9] recognizes CD94 / KLRD1
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody HP-3D9 recognizes an extracellular epitope of 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.
Host	Mouse
Clonality	Monoclonal
Clone	HP-3D9
Isotype	IgG1, kappa
Target Name	CD94 / KLRD1
Species	Human
Immunogen	Cultured Human NK cells.
Conjugation	PE
Alternate Names	KP43; CD antigen CD94; CD94; Natural killer cells antigen CD94; Killer cell lectin-like receptor subfamily D member 1; NK cell receptor

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

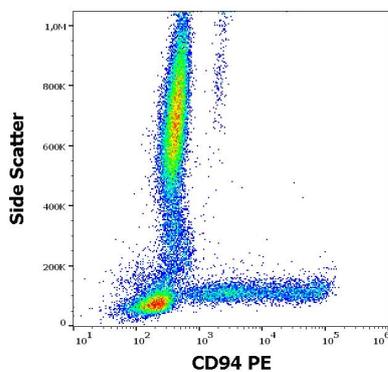
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

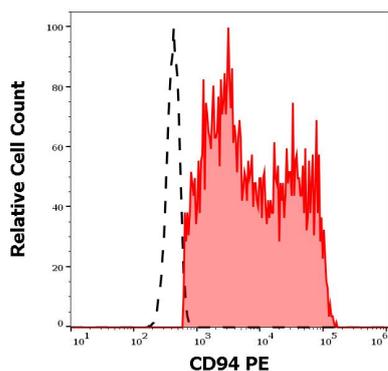
Gene Symbol	KLRD1
Gene Full Name	killer cell lectin-like receptor subfamily D, member 1
Background	Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, are expressed by NK cells and may be involved in the regulation of NK cell function. 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]
Function	Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. [UniProt]
Calculated Mw	21 kDa
Cellular Localization	Membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG42276 anti-CD94 / KLRD1 antibody [HP-3D9] (PE) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG42276 anti-CD94 / KLRD1 antibody [HP-3D9] (PE) at 10 μ l / 100 μ l of peripheral whole blood.



ARG42276 anti-CD94 / KLRD1 antibody [HP-3D9] (PE) FACS image

Flow Cytometry: Separation of Human CD94 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed). Human peripheral whole blood stained with ARG42276 anti-CD94 / KLRD1 antibody [HP-3D9] (PE) at 10 μ l / 100 μ l of peripheral whole blood.