

ARG57542 anti-CD94 / KLRD1 antibody [13E3]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [13E3] recognizes CD94 / KLRD1
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	13E3
Isotype	IgG1, kappa
Target Name	CD94 / KLRD1
Species	Human
Immunogen	Recombinant Human CD94 / KLRD1 (aa. 32-179) purified from E. coli
Conjugation	Un-conjugated
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	2 - 5 µg/10 ⁶ cells
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

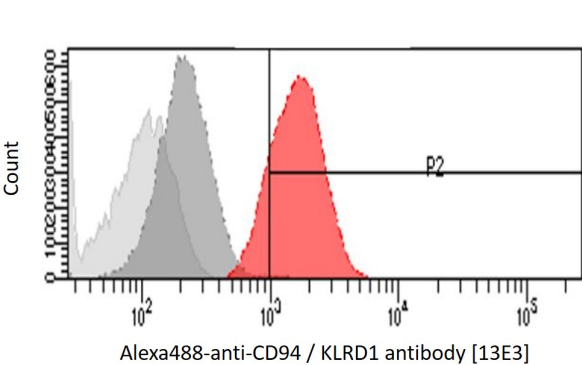
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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

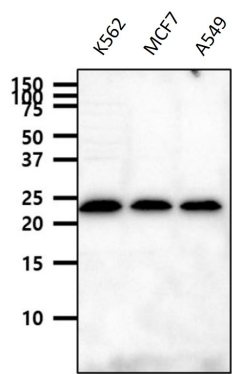
Gene Symbol	KLRD1
Gene Full Name	killer cell lectin-like receptor subfamily D, member 1
Background	Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members 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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
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

Images



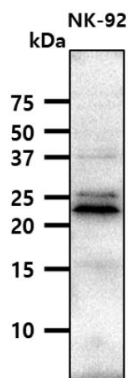
ARG57542 anti-CD94 / KLRD1 antibody [13E3] FACS image

Flow Cytometry: PBMC cells stained with ARG57542 anti-CD94 / KLRD1 antibody [13E3] at 2 - 5 $\mu\text{g}/10^6$ cells (red). Secondary Ab: Goat anti-Mouse IgG antibody (Alexa fluor 488). Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



ARG57542 anti-CD94 / KLRD1 antibody [13E3] WB image

Western blot: 40 μg of K562, MCF7 and A549 cell lysates stained with ARG57542 anti-CD94 / KLRD1 antibody [13E3] at 1:1000 dilution.



ARG57542 anti-CD94 / KLRD1 antibody [13E3] WB image

Western blot: 40 µg of NK-92 cell lysate stained with ARG57542 anti-CD94 / KLRD1 antibody [13E3] at 1:1000 dilution.