

CD94 (PN0241) Nb-FC recombinant antibody

Catalog No :	YA0564
Reactivity :	Human
Applications :	ELISA;FCM
Target :	CD94
Gene Name :	KLRD1 CD94
Protein Name :	Natural killer cells antigen CD94 (KP43) (Killer cell lectin-like receptor subfamily D member 1) (NK cell receptor) (CD antigen CD94)
Human Gene Id :	3824
Human Swiss Prot No :	Q13241
Immunogen :	Purified recombinant Human CD94
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD94 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000 FCM 1-2µg/Test
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Cell Pathway :	Antigen processing and presentation;Natural killer cell mediated cytotoxicity;Graft-versus-host disease;

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.,online information:CD94,similarity:Contains 1 C-type lectin domain.,subunit:Can form disulfide-bonded heterodimer with NKG2 family members.,tissue specificity:Natural killer cells.,

Subcellular Location : Cell membrane ; Single-pass type II membrane protein .

Expression : Expressed in NK cell subsets (at protein level) (PubMed:21825173, PubMed:94322, PubMed:948526). Expressed in memory/effector CD8-positive alpha-beta T cell subsets (at protein level) (PubMed:12387742, PubMed:2952657). Expressed in melanoma-specific cytotoxic T cell clones (at protein level) (PubMed:948526). Expressed in terminally differentiated cytotoxic gamma-delta T cells (at protein level) (PubMed:2952657). KLRD1-KLRC1 and KLRD1-KLRC2 are differentially expressed in NK and T cell populations, with only minor subsets expressing both receptor complexes (at protein level) (PubMed:2952657).

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