

CD94 rabbit pAb

Catalog No :	YT7838
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	CD94
Fields :	>>Antigen processing and presentation;>>Natural killer cell mediated cytotoxicity;>>Graft-versus-host disease
Gene Name :	KLRD1 CD94
Protein Name :	CD94
Human Gene Id :	3824
Human Swiss Prot No :	Q13241
Mouse Gene Id :	16643
Mouse Swiss Prot No :	O54707
Rat Gene Id :	25110
Rat Swiss Prot No :	O35778
Immunogen :	Synthesized peptide derived from human CD94 AA range: 124-173
Specificity :	This antibody detects endogenous levels of Human CD94
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	20kD
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 :	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:9430220, PubMed:9485206). Expressed in memory/effector CD8-positive alpha-beta T cell subsets (at protein level) (PubMed:12387742, PubMed:20952657). Expressed in melanoma-specific cytotoxic T cell clones (at protein level) (PubMed:9485206). Expressed in terminally differentiated cytotoxic gamma-delta T cells (at protein level) (PubMed:20952657). 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:20952657).

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