



CD94 mouse mAb

Catalog No	YP-mAb-14108
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KLRD1 CD94
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NK cell receptor;KP43;KLRD1;Killer cell lectin-like receptor subfamily D member 1;CD94;KLRD1 CD94;Natural killer cells antigen CD94 (KP43;CD antigen CD94)
Observed Band	43 kDa
Calculated Molecular Weight	179 aa, 20 kDa
Cell Pathway	Cell membrane ; Single-pass type II membrane protein .
Tissue Specificity	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).
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.,

**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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images