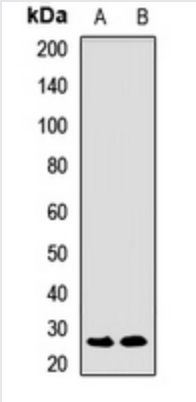
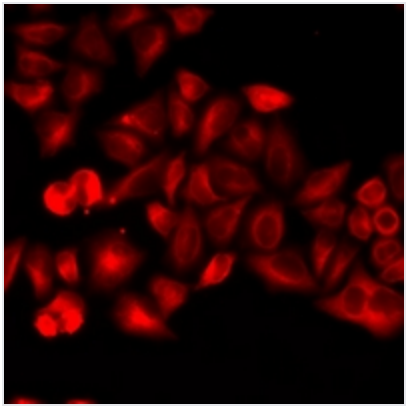
CD94 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD94, Polyclonal Antibody
Full Product Name	Anti-CD94 Antibody
Product Gene Name	anti-CD94 antibody
Product Synonym Gene Name	KLRD1
Product Synonym Names	CD94; Natural killer cells antigen CD94; KP43; Killer cell lectin-like receptor subfamily D member 1; NK cell receptor; CD94
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	Purified by immunogen affinity chromatography
Specificity	Recognizes endogenous levels of CD94 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	17,109 Da
OMIM	U30610 mRNA
3D Structure	ModBase 3D Structure for Q13241
Immunogen	Recombinant full length protein of human CD94
Applications Tested/Suitable for anti-CD94 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-CD94 antibody	WB: 1/500 - 1/2000 IHC: 1/50 - 1/200 IF/ICC: 1/50 - 1/200
Related Product Information for anti-CD94 antibody	MBS8291906 is an antibody targeting CD94. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to CD94
Other Notes	Small volumes of anti-CD94 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CD94 antibody
Western blot analysis of CD94 expression in mouse lung (A), mouse liver (B) whole cell lysates.



Immunofluorescence (IF) of anti-CD94 antibody
Immunofluorescent analysis of CD94 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD94. It may not necessarily be applicable to this product.

NCBI GI #	167614498
NCBI GeneID	3824
NCBI Accession #	NP_001107868.1
UniProt Primary Accession #	Q13241
UniProt Secondary Accession #	O43321; O43773; Q9UBE3; Q9UEQ0
UniProt Related Accession #	Q13241
GenBank Nucleotide #	NM_001114396.1
NCBI Official Full Name	natural killer cells antigen CD94 isoform 1
NCBI Official Synonym Full Names	killer cell lectin like receptor D1
NCBI Official Symbol	KLRD1
NCBI Official Synonym Symbols	CD94
UniProt Protein Name	Natural killer cells antigen CD94
UniProt Synonym Protein Names	KP43; Killer cell lectin-like receptor subfamily D member 1; NK cell receptor; CD_antigen: CD94
Protein Family	Natural killer cells antigen
UniProt Gene Name	KLRD1
UniProt Synonym Gene Names	CD94
NCBI Protein Information	natural killer cells antigen CD94
NCBI Summary for CD94	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]
UniProt Comments for CD94	Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells.

Research Articles on CD94	**1.** Collectively, these results provide evidence for the first time that CD94/NKG2C is involved in chronic graft-versus-host disease prevention
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