

## CD94 Conjugated Antibody

Catalog No: #C48471



Package Size: #C48471-AF350 100ul #C48471-AF405 100ul #C48471-AF488 100ul  
 #C48471-AF555 100ul #C48471-AF594 100ul #C48471-AF647 100ul  
 #C48471-AF680 100ul #C48471-AF750 100ul #C48471-Biotin 100ul

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## Description

Product Name	CD94 Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CD 94 antibody CD94 antibody CD94 antigen antibody Killer cell lectin like receptor subfamily D member 1 antibody Killer cell lectin-like receptor subfamily D member 1 antibody KLRD 1 antibody KLRD1 antibody KLRD1 protein antibody KLRD1_HUMAN antibody KP 43 antibody KP43 antibody Natural killer cells antigen CD94 antibody NK cell receptor antibody OTTHUMP00000238754 antibody OTTHUMP00000238755 antibody OTTHUMP00000238756 antibody OTTHUMP00000238758 antibody OTTHUMP00000239093 antibody
Accession No.	Swiss-Prot#:Q13241
Uniprot	Q13241
GeneID	3824;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	21 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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The activity of natural killer (NK) cells is regulated by members of multiple receptor families that recognize class I MHC molecules, such as the killer cell inhibitory receptor/leukocyte immunoglobulin-like receptor (KIR/LIR) family and the C-type lectin superfamily. The KIR/LIR family includes p91A and p91B (also designated PIR-A). p91A acts as an inhibitory receptor through interactions with SHP-1, whereas p91B acts as an activating receptor (3-4). CD94, NKG2 and Ly-49 are members of the C-type lectin superfamily of type II membrane glycoproteins. CD94 forms heterodimers with NKG2 isoforms on the surface of NK cells, whereas Ly-49 isoforms form homodimers. NKG2-D, expressed on NK cells, gdT cells, and CD8+  $\alpha\beta$  T cells, is a receptor for the stress inducible protein MICA, an antigen frequently expressed in epithelial tumors.

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Note: This product is for in vitro research use only