

## Product datasheet for **AM31859PU-N**

### **Klrd1 Rat Monoclonal Antibody [Clone ID: 15F.18D1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	15F.18D1
Applications:	ELISA, FC, IF
Recommended Dilution:	<b>ELISA.</b> <b>Flow Cytometry.</b> <u>Tissue Distribution by Flow Cytometry Analysis:</u> Mouse Strain: C57/BL6 Cell Concentration : 1x10e6 cells per test Antibody Concentration Used: 2.0 µg/10e6 cells Isotypic Control: FITC Rat IgG1
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Murine T cell clone AE7 cells <u>Donor:</u> Lewis Rat spleen cells <u>Fusion Partner:</u> Murine myeloma cell line SP2/0
Specificity:	Anti-mouse CD94 monoclonal antibody detects the mouse CD94 receptor.
Formulation:	PBS containing 0.02% sodium azide (NaN <sub>3</sub> ) as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	killer cell lectin-like receptor, subfamily D, member 1



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**Database Link:** [Entrez Gene 16643 Mouse O54707](#)

**Background:** CD94 is a 180 amino acid, 70 KDa transmembrane glycoprotein that belongs to a family of murine Natural Killer (NK) cell receptors for MHC class I and is co-expressed as a heterodimer with NKG2 on the cellular surface. CD94 is expressed on NK cells as well as NK T cells. Both the murine CD94/NKG2 heterodimer and its human homologue are expressed on Th1 but not Th2 cells.

Similar in function to the NKG2 family of receptors, CD94 is involved in NK target cell recognition, functions as an inhibitory receptor and plays an important role in adhesion and activation of the NK cell lineage. The unique expression of the CD94/NKG2 heterodimer on the Th1 subset of activated CD4+ cells suggests the potential use of our CL8950AP antibody in cell differentiation studies.

**Synonyms:** KLRD1, KP43, NK cell receptor