

Product datasheet for **AM31859RP-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: | ELISA. Flow Cytometry. <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 ₃) as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL. Label: PE State: Liquid purified Ig fraction Label: R - Phycoerythrin |
| Concentration: | lot specific |
| Conjugation: | PE |
| Storage: | Store the antibody undiluted at 2-8°C. DO NOT FREEZE! |
| 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