



Datasheet for ABIN969031

## anti-CD94 antibody



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### Overview

Quantity:	100 µL
Target:	CD94 (KLRD1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD94 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

### Product Details

Immunogen:	Purified recombinant fragment of human CD94 expressed in E. coli.
Clone:	1H1
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	CD94 (KLRD1)
Alternative Name:	CD94 ( <a href="#">KLRD1 Products</a> )
Background:	Description: 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

## Target Details

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expressed on NK cells and is classified as a type II membrane protein because it has an external C terminus. Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Tissue specificity: Natural killer cells.  
Aliases: CD94, KLRD1

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Molecular Weight: 21 kDa

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Gene ID: 3824

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HGNC: 3824

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

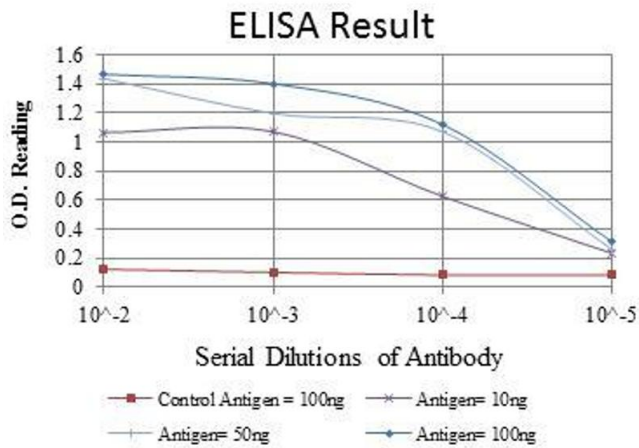
Storage Comment: 4°C, -20°C for long term storage

## Publications

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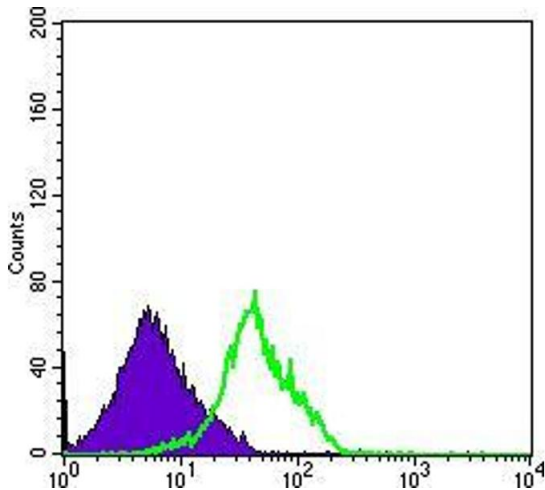
Product cited in: Mohan, Mohan, Wilson: "Discoidin domain receptor (DDR) 1 and 2: collagen-activated tyrosine kinase receptors in the cornea." in: **Experimental eye research**, Vol. 72, Issue 1, pp. 87-92, (2001) ([PubMed](#)).

Foehr, Tatavos, Tanabe, Raffioni, Goetz, Dimarco, De Luca, Bradshaw: "Discoidin domain receptor 1 (DDR1) signaling in PC12 cells: activation of juxtamembrane domains in PDGFR/DDR/TrkA chimeric receptors." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 14, Issue 7, pp. 973-81, (2000) ([PubMed](#)).



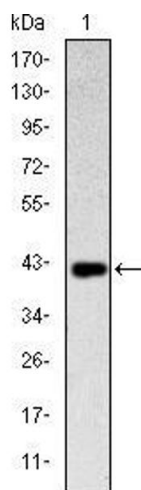
**ELISA**

**Image 1.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



**Flow Cytometry**

**Image 2.** Flow cytometric analysis of RAJI cells using CD94 mouse mAb (green) and negative control (purple).



**Western Blotting**

**Image 3.** Western blot analysis using CD94 mAb against human CD94 (AA: 32-179) recombinant protein. (Expected MW is 42.6 kDa)